St. Thomas College, Bhilai

Affiliated to Hemchand Yadav Vishwavidyalaya, Durg, Chhattisgarh

Criterion – 1: Curricular Aspects

1.3: Curriculum Enrichment

1.3.1: ***Institution Integrates Cross Cutting Issues Relevant to Professional Ethics, Gender, Humas Values, Environment and Sustainability into the Curriculum***

Submitted to National Assessment and Accreditation Council

(2021-2022)

ST. THOMAS COLLEGE

RUABANDHA, BHILAI – 490 006, DURG (DIST.) CHHATTISGARH

(A Post Graduate College, Affiliated to Hemchand Yadav Vishwavidyalaya, Durg)

NAAC Reaccredited with A Grade

Email ID:stthomascollege_bhilai@rediffmail.com ☎ 0788-2275970 Website: www.stthomascollegebhilai.in

Criterion – 1: Curricular Aspects

1.3: Curriculum Enrichment

1.3.1: *Institution Integrates Cross Cutting Issues Relevant to Professional Ethics, Gender, Humas Values, Environment and Sustainability into the Curriculum*

Cross-cutting issues related to professional ethics, gender, human values, environment and sustainability are marked in the syllabus using the following colors.

1. Professional Ethics

2. Gender

3. Human Values

4. Environment and Sustainability

Code -101

1.B.T - UG Courses.

पाठ्य विषय–	BA (Journalism & Mass Communication) Course of Studies BA(JMC) Semester-1 Paper-1 BA(JMC)-101 Functional Hindi Maximum Marks -75 Minimum Passing Marks-30 Note- Scheme of Examination 1 05 Short Answered question (Covering 5 Units) (Not more than 100 words) - 5 Marks each=05*5 =25 Marks 2 05 long answered question of 10 Marks each=10*5 With internal choice of one question from each Unit =50 Marks
इकाई – 1	अक्षर – वर्ण, स्वर–व्यंजन, शुद्ध–अर्थ संबंध, उच्चारण अवयव,
इकाई – 2	पर्यायवाची, विलोम समानार्थी, अनेकार्थी। शब्द रचना, रूप रचना, वाक्य रचना, वर्गीकरण। संज्ञा, क्रिया, विशेषण, काल।
इकाई – 3	हिन्दी भाषा का विकास –प्राचीन, मध्यकालीन, आधुनिक काल, राजभाषा, सम्पर्क भाषा। प्रयोजन मूलक हिन्दी– विज्ञान, वाणिज्य, पत्र लेखन के प्रकार –निमंत्रण, आदेश, व्यापारिक, शासकीय, औपचारिक, अनौपचारिक, सम्पादक के नाम पत्र, अभिव्यक्ति लेखन।
इकाई – 4	संचार भाषा– पत्रकारिता, दृश्य–श्रव्य अवयव, भाषा और बोली, प्रादेशिक बोलियाँ, छत्तीसगढ़ी बोली एवं अंतर्संबंध।
इकाई – 5	व्याकरण संबंधी ज्ञान, हिन्दी भाषा की शैली– साहित्यिक, औपचारिक, अनौपचारिक।

संदर्भ पुस्तकें

1. अच्छी हिन्दी – रामचन्द्र वर्मा
2. सामान्य हिन्दी – डॉ. हरदेव बाहरी
3. मानक हिन्दी का व्यवहारपरक व्याकरण – रमेशचन्द्र गेहरोत्रा
4. शिक्षार्थी हिन्दी अंग्रेजी शब्दकोष – डॉ. हरदेव बाहरी
5. अंग्रेजी हिन्दी शब्दकोष – फादर कामिल बुल्के
6. मुहावरा लोकोक्ति कोष – भोलानाथ तिवारी, द्विजेंद्र नाथ
7. समानान्तर – अरविन्द कुमार

(नोट–कुशा भाऊ ठाकरे विश्वविद्यालय रायपुर से संबद्ध)

PRINCIPAL
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पाठ्य विषय–	बी.ए. (सेमिस्टर–2) (Code-258) प्रश्न पत्र–प्रथम हिन्दी(106) (258201) विषय का उद्देश्य– इस प्रश्नपत्र का उद्देश्य विद्यार्थी का हिन्दी रचना से उसकी अन्तरंगता बढ़ाना है। उसे इसका अभ्यास हो कि वह रुचि से हिन्दी रचना के संसर्ग में आए और धीरे–धीरे उसके भीतर प्रवेश न करे।
इकाई – 1	मानक हिन्दी भाषा मानक भाषा–स्वरूप और लक्षण। मानक उपमानक और अमानक भाषा में अंतर उदाहरण, मानक हिन्दी, औपचारिक, औपचारिक मानक हिन्दी, औपचारिक हिन्दी (अनौपचारिक उपमानक हिन्दी) क्षेत्रीय बोलियों के प्रभाव से अनुरंजित मानक हिन्दी।
इकाई – 2	अशुद्धि संशोधन – अशुद्धियों का वर्गीकरण। क) उच्चारण अशुद्धियाँ ख) वर्तनीयक्ती अशुद्धियाँ ग) शब्द एवं शब्दार्थगत अशुद्धियाँ घ) व्याकरण अशुद्धियाँ
इकाई – 3	हिन्दी में रचना और प्रकार क) शब्द रचना– उपसर्ग एवं नयुत्पादक प्रत्यय तथा उनके अर्थपूर्वक प्रभाव। ख) शब्द प्रकार – तत्सम, तद्भव ,देशी, विदेशी, शंकर नवनिर्मित। ग) शब्दार्थ– पर्यायवाची विलोमार्थी, युग्म अनेकार्थी। घ) शब्दकोष में शब्द और अर्थ का संधान।
इकाई – 4	पत्र लेखन– व्यवसायिक, निजी, शासकीय, अर्द्धशासकीय। आवेदन पत्र, हिन्दी में सार लेखन।
इकाई – 5	हिन्दी रचना और प्रयोग। संक्षेपीकरण एवं निबन्ध।

(पाठ्य पुस्तक मध्यप्रदेश उच्च शिक्षा अनुदान आयोग भोपाल द्वारा प्रायोजित तथा मध्यप्रदेश हिन्दी ग्रंथ अकादमी भोपाल द्वारा प्रकाशित)

संदर्भ–

1. हिन्दी रचना और प्रयोग, भाग–1 प्रो. गणेश दत्त त्रिपाठी, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल।
2. आधारपाठ्यक्रम प्रथम वर्ष– डॉ. रामकुमार बेहार, डॉ. सुधीर शर्मा, गीता पब्लिकेशन, रायपुर।
3. आधार पाठ्यक्रम– विश्वविद्यालय प्रकाशन, ग्वालियर।
4. सरल–सुबोध–हिन्दी व्याकरण–डॉ. मोतीलाल चतुर्वेदी, विनोद पुस्तक मंदिर आगरा।

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RUABANDHA, BHILAI (C.G.)

संशोधित पाठ्यक्रम

	हिन्दी विभाग संशोधित पाठ्यक्रम बी.ए. भाग–एक (आधार पाठ्यक्रम) प्रश्न पत्र–प्रथम (हिन्दी भाषा) (पेपर कोड–001101) (code-001) पूर्णांक–75
पाठ्य विषय–	नोट– 1. प्रश्न पत्र 75 अंक का होगा। 2. प्रश्न पत्र अनिवार्य होगा। 3. इसके अंक श्रेणी निर्धारण के लिए जोड़े जायेंगे। 4. प्रत्येक इकाई के अंक समान होंगे।
इकाई – 1	(क) पल्लवन, पत्राचार, अनुवाद, पारिभाषिक शब्दावली एवं हिन्दी में पदनाम (ख) ईदगाह (कहानी)– मुंशी प्रेमचंद
इकाई – 2	(क) शब्द शुद्धि, वाक्य शुद्धि, शब्द ज्ञान– पर्यायवाची शब्द, विलोम शब्द, अनेकार्थी शब्द, समश्रुत शब्द, अनेक शब्दों के लिए एक शब्द एवं मुहावरे लोकोक्तियाँ (ख) भारत वंदना (कविता)– सूर्यकान्त त्रिपाठी निराला
इकाई – 3	(क) देवनागरी लिपि–नामकरण, स्वरूप एवं देवनागरी लिपि की विशेषताएँ, हिन्दी अपठित गद्यांश, संक्षेपण, हिन्दी में सांक्षिप्तीकरण (ख) मोलाराम का जीव (व्यंग्य)– हरिशंकर परसाई
इकाई – 4	(क) कम्प्यूटर का परिचय एवं कम्प्यूटर में हिन्दी का अनुप्रयोग (ख) शिकागो से स्वामी विवेकानन्द का पत्र
इकाई– 5	(क) मानक हिन्दी भाषा का अर्थ, स्वरूप, विशेषताएँ, मानक, उपमानक, अमानक भाषा (ख) सामाजिक गतिशीलता–प्राचीन काल, मध्यकाल, आधुनिक काल

मूल्यांकन योजना–

प्रत्येक इकाई से एक–एक प्रश्न पूछा जाएगा। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। प्रत्येक प्रश्न के दो भाग 'क' और 'ख' होंगे एवं अंक क्रमशः 8 एवं 7 होंगे। प्रश्न–पत्र का पूर्णांक 75 निर्धारित है।

पाठ्यक्रम संशोधन का औचित्य –

विद्यार्थी चर्चित एवं सुप्रसिद्ध व्यक्तियों के लेख के माध्यम से समाज एवं राष्ट्रहित के साथ–साथ व्यक्तित्व विकास विषयक मुद्दों से परिचित हो सके तथा व्याकरणिक एवं भाषा विषयक प्रस्तावित पाठ्यक्रम के माध्यम से हिन्दी भाषा संबंधित प्रयोग पक्ष से परिचित होते हुए प्रतियोगी परीक्षाओं की दृष्टि से ज्ञानार्जन कर सके।

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

(Course code - 002,005,008)

संशोधित पाठ्यक्रम
बी.ए./बी.एस–सी./बी.कॉम./बी.एच.एस.–सी.
भाग – दो, आधार पाठ्यक्रम (002201, 005201, 008202)
प्रश्न पत्र – प्रथम (हिन्दी भाषा) (पेपर कोड – 0171) पूर्णांक– 75

खण्ड – क निम्नलिखित 5 लेखकों के पाठ शामिल होंगे – **अंक–35**

1. महात्मा गांधी – चोरी और प्रायश्चित
2. आचार्य नरेंद्र देव – युवकों का समाज में स्थान
3. वासुदेव शरण अग्रवाल – मातृभूमि
4. हरि ठाकुर – डॉ. खूबचंद बघेल
5. पं. माधवराव सप्रे – सम्भाषण–कुशलता

खण्ड–ख हिन्दी भाषा और उसके विविध रूप **अंक–16**

1. कार्यालयीन भाषा
2. मीडिया की भाषा
3. वित्त एवं वाणिज्य की भाषा
4. मशीनी भाषा

खण्ड–ग हिन्दी की व्याकरणिक कोटियाँ **अंक–24**

संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण,
समास, संधि एवं संक्षिप्तियां
अनुवाद व्यवहार : अंग्रेजी से हिन्दी में अनुवाद

इकाई विभाजन–

इकाई– 1 चोरी और प्रायश्चित : महात्मा गांधी / कार्यालयीन भाषा, मीडिया की भाषा

इकाई– 2 युवकों का समाज में स्थान : आचार्य नरेन्द्र देव / वित एवं वाणिज्य की भाषा, मशीनी भाषा

इकाई– 3 मातृभूमि: वासुदेवशरण अग्रवाल / संज्ञा सर्वनाम, विशेषण, क्रिया विशेषण

इकाई– 4 डॉ. खूबचंद बघेल : हरि ठाकुर/समास, संधि,

इकाई– 5 सम्भाषण–कुशलता : पं. माधवराव सप्रे, / अनुवाद – अंग्रेजी से हिन्दी में अनुवाद, संक्षिप्तियाँ

मूल्यांकन योजना –

प्रत्येक इकाई से एक–एक प्रश्न पूछे जाएंगे। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे । प्रत्येक इकाई को दो–दो खण्डों (क्रमश' 'क' और 'ख' में) विभक्त करते हुए निर्धारित पाठ से 8 एवं शेष पाठ्य सामग्री से 7 अंक के प्रश्न होंगे। इस प्रकार पूरे प्रश्न–पत्र के पूर्णांक 75 होंगे।

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

(Course code, 003006)
009

बी.ए. / बी.एस–सी. / बी.कॉम. / बी.एच.एस.–सी.
भाग – तीन, आधार पाठ्यक्रम
प्रश्न पत्र – प्रथम (हिन्दी भाषा) (003301, 006301, 009301)
पूर्णांक– 75

इकाई–एक

(क) भारत माता : सुमित्रानंदन पंत

(ख) कथन की शैलियाँ

1. विवरणात्मक शैली
2. मूल्यांकन शैली
3. व्याख्यात्मक शैली
4. विचारात्मक शैली

इकाई–दो

(क) सूखी डाली : उपेन्द्रनाथ अश्क

(ख) विभिन्न संरचनाएँ

1. विनम्रता सूचक संरचना
2. विधि सूचक संरचना
3. निषेध परक संरचना
4. काल–बोधक संरचना
5. स्थान–बोधक संरचना
6. दिशा बोधक संरचना
7. कार्य–कारण सम्बन्ध संरचना
8. अनुक्रम संरचना

इकाई–तीन

(क) वसीयत : मालती जोशी

(ख) कार्यालयीन पत्र और आलेख

1. परिपत्र
2. आदेश
3. अधिसूचना
4. ज्ञापन
5. अनुस्मारक
6. पृष्ठांकन

इकाई–चार

(क) योग की शक्ति : हरिवंश राय बच्चन

(ख) अनुवाद : स्वरूप एवं परिभाषा, उद्देश्य
स्त्रोत भाषा और लक्ष्य भाषा,
अच्छे अनुवाद की विशेषताएँ,
अनुवाद प्रकिया, अनुवादक

इकाई–पांच

(क) संस्कृति और राष्ट्रीय एकीकरण : योगेश अटल

(ख) घटनाओं, समारोहों आदि का प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र

मूल्यांकन योजना : प्रत्येक इकाई से एक–एक प्रश्न पूछा जाएगा। प्रत्येक प्रश्न में आंतरित विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। इसलिए प्रत्येक प्रश्न के दो भाग 'क' और 'ख' होंगे एवं अंक क्रमशः 8 एवं 7 अंक होंगे। प्रश्नपत्र का पूर्णांक 75 निर्धारित है।

5/7/2021

डॉ आशा चौहान

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
KUMHARDIHA, BHILAI (C.G.)

ENGLISH LANGUAGE (Paper Code-1132) (002,005,008)

B.A. / B.Sc. /B.COM. /B.H. Sc. - II (002202005202,008202)

M.M.75

The question paper for B.A. /B.Sc./B.Com./B.H.Sc., English Language and cultural valuers shall comprise the following units:

UNIT-I Short answer questions to be passed by (Five short answer questions of three marks each) 15 Marks

UNIT-II (a) Reading comprehension of an unseen passage 05 Marks

(b) Vocabulary

UNIT-III Report-Writing 10 Marks

UNIT-IV Expansion of an idea 10 Marks

UNIT-V Grammar and Vocabulary based on the prescribed text book. 20+15Marks

Note: Question on all the units shall asked from the prescribed text which will Comprise Specimens of popular creative/writing and the following it any

a Matter & technology

i. State of matter and its structure

ii. Technology (Electronics Communication, Space Science)

b Our Scientists & Institutions

I. Life & work of our eminent scientist Arya Bhatt. Kaurd Charak Shusruta, Nagarjuna, J.C. Bose and C.V. Raman, S. Rmanujam, Homi J. Babha Birbal Sahani.

II. Indian Scientific Institutions (Ancient & Modern)

Books Prescribed:

Foundation English for U.G. Second Year - Published by M.P. Hindi Granth Academy, Bhopal.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

Foundation Course-III (Course code – 003 006 009)

English Language

B.A/B.Sc/B.Com/B.H.Sc/III (003302, 006302, 009302)

M.M. 75

The question paper for B.A/B.Sc./B.Com./B.H.Sc. III Foundation course, English Language and General Answers shall comprise the following items :

Five question to be attempted, each carrying 3 marks.

UNIT-I Essay type answer in about 200 words. 5 essay type question to be asked three to be attempted. 15

UNIT-II Essay writing 10

UNIT-III Precise writing 10

UNIT-IV (a) Reading comprehension of an unseen passage 05

(b) Vocabulary based on text 10

UNIT-V Grammar Advanced Exercises 25

Note: Question on unit I and IV (b) shall be asked from the prescribed text. Which will comprise of popular create writing and the following items. Minimum needs housing and transport Geo-economic profile of M.P. communication Educate and culture. Women and Worm in Empowerment Development, management of change, physical quality of life. War and human survival, the question of human social value survival, the question of human social value, new Economic Philosophy Recent Diberaliation Method) Demoration decentralization (with reference to 73, 74 constitutional Amendment.

Books Prescribed:

Aspects of English Language and Development - Published by M.P. Hindi Granth Academy, Bhopal.

PRINCIPAL
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संशोधित पाठ्यक्रम

	हिन्दी विभाग संशोधित पाठ्यक्रम (Code-004) बी.एस–सी. भाग–एक (आधार पाठ्यक्रम) प्रश्न पत्र–प्रथम (हिन्दी भाषा) (004101) (पेपर कोड–004101) पूर्णांक–75
पाठ्य विषय–	नोट– 1. प्रश्न पत्र 75 अंक का होगा। 2. प्रश्न पत्र अनिवार्य होगा। 3. इसके अंक श्रेणी निर्धारण के लिए जोड़े जायेंगे। 4. प्रत्येक इकाई के अंक समान होंगे।
इकाई – 1	(क) पल्लवन, पत्राचार, अनुवाद, पारिभाषिक शब्दावली एवं हिन्दी में पदनाम (ख) ईदगाह (कहानी)– मुंशी प्रेमचंद
इकाई – 2	(क) शब्द शुद्धि, वाक्य शुद्धि, शब्द ज्ञान– पर्यायवाची शब्द, विलोम शब्द, अनेकार्थी शब्द, समश्रुत शब्द, अनेक शब्दों के लिए एक शब्द एवं मुहावरे लोकोक्तियाँ (ख) भारत वंदना (कविता)– सूर्यकान्त त्रिपाठी निराला
इकाई – 3	(क) देवनागरी लिपि–नामकरण, स्वरूप एवं देवनागरी लिपि की विशेषताएँ, हिन्दी अपठित गद्यांश, संक्षेपण, हिन्दी में संक्षिप्तीकरण (ख) भोलाराम का जीव (व्यंग्य)– हरिशंकर परसाई
इकाई – 4	(क) कम्प्यूटर का परिचय एवं कम्प्यूटर में हिन्दी का अनुप्रयोग (ख) शिकागो से स्वामी विवेकानंद का पत्र
इकाई– 5	(क) मानक हिन्दी भाषा का अर्थ, स्वरूप, विशेषताएँ, मानक, उपमानक, अमानक भाषा (ख) सामाजिक गतिशीलता–प्राचीन काल, मध्यकाल, आधुनिक काल

मूल्यांकन योजना–

प्रत्येक इकाई से एक–एक प्रश्न पूछा जाएगा। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। प्रत्येक प्रश्न के दो भाग 'क' और 'ख' होंगे एवं अंक क्रमशः 8 एवं 7 होंगे। प्रश्न–पत्र का पूर्णांक 75 निर्धारित है।

पाठ्यक्रम संशोधन का औचित्य –

विद्यार्थी चर्चित एवं सुप्रसिद्ध व्यक्तियों के लेख के माध्यम से समाज एवं राष्ट्रहित के साथ–साथ व्यक्तित्व विकास विषयक मुद्दों से परिचित हो सके तथा व्याकरणिक एवं भाषा विषयक प्रस्तावित पाठ्यक्रम के माध्यम से हिन्दी भाषा संबंधित प्रयोग पक्ष से परिचित होते हुए प्रतियोगी परीक्षाओं की दृष्टि से ज्ञानार्जन कर सके।

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	संशोधित पाठ्यक्रम (Code-005) बी.एस–सी. भाग–दो (आधार पाठ्यक्रम) प्रश्न पत्र–प्रथम (हिन्दी भाषा) (पेपर कोड–005201) – पूर्णांक–75	
(खण्ड –क)	निम्नलिखित पाँच लेखकों के पाठ शामिल होंगे– 1. महात्मा गांधी – चोरी और प्रायश्चित 2 आचार्य नरेन्द्र देव – युवकों का समाज में स्थान 3. वासुदेव शरण अग्रवाल – मातृभूमि 4. हरि ठाकुर – डॉ. खूबचंद बघेल 5. पं. माधवराव सप्रे – सम्भाषण– कुशलता	अंक–35
(खण्ड –ख)	हिन्दी भाषा और उसके विविध रूप 1. कार्यालयीन भाषा 2. मीडीया की भाषा 3. वित्त तथा वाणिज्य की भाषा 4. मशीनी भाषा	अंक–16
(खण्ड–ग)	हिन्दी की व्यवहारिक कोटियाँ संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण, समास, संधि एवं संक्षिप्तियां अनुवाद व्यवहार : अंग्रेजी से हिन्दी में अनुवाद	अंक–24

इकाई विभाजन–

इकाई–1 चोरी और प्रायश्चित: महात्मा गांधी / कार्यालयीन भाषा, मीडिया की भाषा
इकाई–2 युवकों का समाज में स्थान: आचार्य नरेन्द्र देव / वित्त एवं वाणिज्य की भाषा, मशीनी भाषा
इकाई–3 मातृभूमि: वासुदेव शरण अग्रवाल / संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण,
इकाई–4 डॉ खूबचंद बघेल: हरि ठाकुर / समास, संधि
इकाई–5 सम्भाषण– कुशलता : पं. माधवराव सप्रे / अनुवाद – अंग्रेजी से हिन्दी में अनुवाद, संक्षिप्तियाँ

मूल्यांकन योजना–
प्रत्येक इकाई से एक–एक प्रश्न पूछे जाएंगे। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। प्रत्येक इकाई को दो–दो खण्डों (क्रमशः 'क' और 'ख' में) विभक्त करते हुए निर्धारित पाठ से 8 एवं शेष पाठ्य सामग्री से 7 अंक के प्रश्न होंगे। इस प्रकार पूरे प्रश्न–पत्र के पूर्णांक 75 होंगे।

पाठ्यक्रम संशोधन का औचित्य : विद्यार्थी चर्चित एवं सुप्रसिद्ध व्यक्तियों के लेख के माध्यम से समाज एवं राष्ट्रहित के साथ–साथ व्यक्तित्व विकास विषयक मुद्दों से परिचित हो सकें तथा व्याकरणिक एवं भाषा विषयक प्रस्तावित पाठ्यक्रम के माध्यम से हिन्दी भाषा संबंधित प्रयोग पक्ष से परिचित होते हुए प्रतियोगी परीक्षाओं की दृष्टि से ज्ञानार्जन कर सकें।

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	संशोधित पाठ्यक्रम (Code-006) बी.एस–सी. भाग–तीन (आधार पाठ्यक्रम) प्रश्न पत्र–प्रथम (हिन्दी भाषा) (पेपर कोड–006301) पूर्णांक–75
इकाई –एक	क) 1 भारत माता : सुमित्रानन्दन पन्त ख) कथन की शैलियाँ 1. विवरणात्मक शैली 2. मूल्यांकन शैली 3. व्याख्यात्मक शैली 4. विचारात्मक शैली
इकाई – दो	क) सूखी डाली : उपेन्द्रनाथ अश्क ख) विभिन्न संरचनाएँ 1. विनम्रता सूचक संरचना 2. विधि सूचक संरचना 3. निषेध परक संरचना, 4. काल बोधक संरचना 5. स्थान बोधक संरचना 6. दिशा बोधक संरचना 7. कार्य कारण सम्बन्ध संरचना 8. अनुक्रम संरचना
इकाई – तीन	क) वसीयत : मालती जोशी ख) कार्यालयीन पत्र और आलेख 1. परिपत्र 2. आदेश 3. अभिसूचना 4. ज्ञापन 5. अनुस्मारक 6. पृष्ठांकन
इकाई – चार	क) योग की शक्ति : हरिवंश राय बच्चन ख) अनुवाद : स्वरूप एवं परिभाषा, उद्देश्य स्रोत भाषा और लक्ष्य भाषा, अच्छे अनुवाद की विशेषताएँ, अनुवाद प्रक्रिया, अनुवादक
इकाई– पांच	क) संस्कृति एवं राष्ट्रीय एकीकरण : योगेश अटल ख) घटनाओं, समारोहों आदि का प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र

मूल्यांकन योजना– प्रत्येक इकाई से एक–एक प्रश्न पूछा जाएगा। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। इसलिए प्रत्येक प्रश्न के दो भाग 'क' और 'ख' होंगे एवं क्रमशः 8 एवं 7 अंक होंगे। प्रश्न–पत्र का पूर्णांक 75 निर्धारित है।

पाठ्यक्रम संशोधन का औचित्य : निर्धारित पाठ का अध्ययन एवं हिन्दी भाषा प्रयोग की व्यवहारिक प्रणालियों से विद्यार्थियों को परिचित कराना तथा भाषा प्रयोग की सामान्य अशुद्धियों को दूर करने की दृष्टि से पाठ्यक्रम तैयार किया गया है। विद्यार्थियों के लिए पाठ्यक्रम का विस्तार बहुत ज्यादा न हो इसका ध्यान रखा गया है।

PRINCIPAL
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संशोधित पाठ्यक्रम

	हिन्दी विभाग संशोधित पाठ्यक्रम (Code-007) बी.कॉम. भाग–एक (आधार पाठ्यक्रम) प्रश्न पत्र–प्रथम (हिन्दी भाषा) (पेपर कोड–007101) पूर्णांक–75
पाठ्य विषय–	नोट:– 1. प्रश्न पत्र 75 अंक का होगा। 2. प्रश्न पत्र अनिवार्य होगा। 3. इसके अंक श्रेणी निर्धारण के लिए जोड़े जायेंगे। 4. प्रत्येक इकाई के अंक समान होंगे।
इकाई – 1	(क) पल्लवन, पत्राचार, अनुवाद, पारिभाषिक शब्दावली एवं हिन्दी में पदनाम (ख) ईदगाह (कहानी)– मुंशी प्रेमचंद
इकाई – 2	(क) शब्द शुद्धि, वाक्य शुद्धि, शब्द ज्ञान– पर्यायवाची शब्द, विलोम शब्द, अनेकार्थी शब्द, समश्रुत शब्द, अनेक शब्दों के लिए एक शब्द एवं मुहावरे लोकोक्तियाँ (ख) भारत वंदना (कविता)– सूर्यकान्त त्रिपाठी निराला
इकाई – 3	(क) देवनागरी लिपि–नामकरण, स्वरूप एवं देवनागरी लिपि की विशेषताएँ, हिन्दी अपठित गद्यांश, संक्षेपण, हिन्दी में संक्षिप्तीकरण (ख) भोलाराम का जीव (व्यंग्य)– हरिशंकर परसाई
इकाई – 4	(क) कम्प्यूटर का परिचय एवं कम्प्यूटर में हिन्दी का अनुप्रयोग (ख) शिकागो से स्वामी विवेकानंद का पत्र
इकाई– 5	(क) मानक हिन्दी भाषा का अर्थ, स्वरूप, विशेषताएँ, मानक, उपमानक, अमानक भाषा (ख) सामाजिक गतिशीलता–प्राचीन काल, मध्यकाल, आधुनिक काल

मूल्यांकन योजना–

प्रत्येक इकाई से एक–एक प्रश्न पूछा जाएगा। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। प्रत्येक प्रश्न के दो भाग 'क' और 'ख' होंगे एवं अंक क्रमशः 8 एवं 7 होंगे। प्रश्न–पत्र का पूर्णांक 75 निर्धारित है।

पाठ्यक्रम संशोधन का औचित्य –

विद्यार्थी चर्चित एवं सुप्रसिद्ध व्यक्तियों के लेख के माध्यम से समाज एवं राष्ट्रहित के साथ–साथ व्यक्तित्व विकास विषयक मुद्दों से परिचित हो सके तथा व्याकरणिक एवं भाषा विषयक प्रस्तावित पाठ्यक्रम के माध्यम से हिन्दी भाषा संबंधित प्रयोग पक्ष से परिचित होते हुए प्रतियोगी परीक्षाओं की दृष्टि से ज्ञानार्जन कर सके।

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	संशोधित पाठ्यक्रम बी.कॉम. भाग–दो (आधार पाठ्यक्रम) प्रश्न पत्र–प्रथम (हिन्दी भाषा) (पेपर कोड–008201) (Code-008) पूर्णांक–75
(खण्ड –क)	निम्नलिखित पाँच लेखकों के पाठ शामिल होंगे– अंक–35 1. महात्मा गांधी – चोरी और प्रायश्चित 2. आचार्य नरेन्द्र देव – युवकों का समाज में स्थान 3. वासुदेव शरण अग्रवाल – मातृभूमि 4. हरि ठाकुर – डॉ. खूबचंद बघेल 5. पं. माधवराव सप्रे – सम्भाषण– कुशलता
(खण्ड –ख)	हिन्दी भाषा और उसके विविध रुप अंक–16 1. कार्यालयीन भाषा 2. मीडीया की भाषा 3. वित्त तथा वाणिज्य की भाषा 4. मशीनी भाषा
(खण्ड–ग)	हिन्दी की व्यवहारिक कोटियाँ अंक–24 संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण, समास, संधि एवं संक्षिप्तियां अनुवाद व्यवहार : अंग्रेजी से हिन्दी में अनुवाद

इकाई विभाजन–

इकाई–1 चोरी और प्रायश्चित: महात्मा गांधी / कार्यालयीन भाषा, मीडिया की भाषा
इकाई–2 युवकों का समाज में स्थान: आचार्य नरेन्द्र देव / वित्त एवं वाणिज्य की भाषा, मशीनी भाषा
इकाई–3 मातृभूमि: वासुदेव शरण अग्रवाल / संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण,
इकाई–4 डॉ खूबचंद बघेल: हरि ठाकुर / समास, संधि
इकाई–5 सम्भाषण– कुशलता : पं. माधवराव सप्रे / अनुवाद – अंग्रेजी से हिन्दी में अनुवाद, संक्षिप्तियाँ

मूल्यांकन योजना–

प्रत्येक इकाई से एक–एक प्रश्न पूछे जाएंगे। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। प्रत्येक इकाई को दो–दो खण्डों (क्रमशः 'क' और 'ख' में) विभक्त करते हुए निर्धारित पाठ से 8 एवं शेष पाठ्य सामग्री से 7 अंक के प्रश्न होंगे। इस प्रकार पूरे प्रश्न–पत्र के पूर्णांक 75 होंगे।

पाठ्यक्रम संशोधन का औचित्य : विद्यार्थी चर्चित एवं सुप्रसिद्ध व्यक्तियों के लेख के माध्यम से समाज एवं राष्ट्रहित के साथ–साथ व्यक्तित्व विकास विषयक मुद्दों से परिचित हो सके तथा व्याकरणिक एवं भाषा विषयक प्रस्तावित पाठ्यक्रम के माध्यम से हिन्दी भाषा संबंधित प्रयोग पक्ष से परिचित होते हुए प्रतियोगी परीक्षाओं की दृष्टि से ज्ञानार्जन कर सके।

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	संशोधित पाठ्यक्रम बी.कॉम भाग–तीन (आधार पाठ्यक्रम) प्रश्न पत्र–प्रथम (हिन्दी भाषा) (पेपर कोड–009301) (Code-009) पूर्णांक–75
इकाई –एक	क) 1 भारत माता : सुमित्रानन्दन पन्त ख) कथन की शैलियाँ 1. विवरणात्मक शैली 2. मूल्यांकन शैली 3. व्याख्यात्मक शैली 4. विचारात्मक शैली
इकाई – दो	क) सूखी डाली : उपेन्द्रनाथ अश्क ख) विभिन्न संरचनाएँ 1. विनम्रता सूचक संरचना 2. विधि सूचक संरचना 3. निषेध परक संरचना, 4. काल बोधक संरचना 5. स्थान बोधक संरचना 6. दिशा बोधक संरचना 7. कार्य कारण सम्बन्ध संरचना 8. अनुक्रम संरचना
इकाई – तीन	क) वसीयत : मालती जोशी ख) कार्यालयीन पत्र और आलेख 1. परिपत्र 2. आदेश 3. अभिसूचना 4. ज्ञापन 5. अनुस्मारक 6. पृष्ठांकन
इकाई – चार	क) योग की शक्ति : हरिवंश राय बच्चन ख) अनुवाद : स्वरूप एवं परिभाषा, उद्देश्य स्रोत भाषा और लक्ष्य भाषा, अच्छे अनुवाद की विशेषताएँ, अनुवाद प्रक्रिया, अनुवादक
इकाई– पांच	क) संस्कृति एवं राष्ट्रीय एकीकरण : योगेश अटल ख) घटनाओं, समारोहों आदि का प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र

मूल्यांकन योजना– प्रत्येक इकाई से एक–एक प्रश्न पूछा जाएगा। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। इसलिए प्रत्येक प्रश्न के दो भाग 'क' और 'ख' होंगे एवं क्रमशः 8 एवं 7 अंक होंगे। प्रश्न–पत्र का पूर्णांक 75 निर्धारित है।

पाठ्यक्रम संशोधन का औचित्य : निर्धारित पाठ का अध्ययन एवं हिन्दी भाषा प्रयोग की व्यवहारिक प्रणालियों से विद्यार्थियों को परिचित कराना तथा भाषा प्रयोग की सामान्य अशुद्धियों को दूर करने की दृष्टि से पाठ्यक्रम तैयार किया गया है। विद्यार्थियों के लिए पाठ्यक्रम का विस्तार बहुत ज्यादा न हो इसका ध्यान रखा गया है।

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B.Sc.-II (BOTANY) PAPER-II (Course code-005)
(ECOLOGY AND PLANT PHYSIOLOGY) (005214)

UNIT-I

Introduction and scope of ecology, environmental and ecological factors, Soil formation and soil profile, Liebig's law of minimum, Shelford's law of tolerance, morphological and anatomical adapataions in hydrophytes, xerophytes and epiphytes.

UNIT-II

Population and community characteristics, Raunkiaer's life forms, population interactions (e.g. Symbiosis, Amensalism etc.), succession, ecotone and edge effect, ecological niches, ecotypes, ecads, keystone species

Concept of ecosystem, trophic levels, flow of energy in ecosystem, food chain and food web, concept of ecological pyramids

Biogeochemical cycles:carbon cycle, nitrogen cycle and phosphorus cycle

UNIT-III

Plant water relations: Diffusion, permeability, osmosis, imbibitions, plasmolysis, osmotic potential and water potential, Types of soil water, water holding capacity, wilting, Absorption of water, theories of Ascent of sap, Mineral nutrition and absorption, Deficiency symptoms, Transpiration, stomatal movement, significance of transpiration, Factors affecting transpiration, guttation.

UNIT-IV

Photosynthesis: Photosynthetic apparatus and pigments, light reaction mechanism of ATP synthesis. C3, C4 CAM pathway of carbon reduction, photorespiration, factors affecting photosynthesis.

Respiration: Aerobic and anaerobic respiration, Glycolysis, Kreb's cycle, factors affecting respiration, R.Q.

UNIT-V

Plant growth hormones: Auxin, Gibberellin, Cytokinin, Ethylene and Abscissic acid. Physiology of flowering, Florigen concept, Photoperiodism and Vernalization. Seed dormancy and germination, plant movement.

Books Recommended:

Koromondy, EJ. ***Concepts of Ecology,*** Prentice Hall, USA

13.6.19 13/6/19 13.6.19 13.6.19

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B.Sc-II (Course Code - 005)

INDUSTRIAL CHEMISTRY

PAPER – I

(Paper Code ~~0871~~ 005221) **M.M. 34**

UNIT-I Material Science : Mechanical Properties of materials and change with respect to temperature. **02L**

Material of constructions used in Industry :

Metals and Alloys : Important metals & alloys; iron, copper, aluminium lead, nikel, titanium and their alloys- Mechanical and chemical properties and their applications. **06L**

Cement : Types of cement, composition, manufacturing process, setting of cement. **04L**

Ceramics : Introduction, Types, Manufacturing process, Applications. Refractories. **04L**

UNIT-II Polymeric Mateials : Industrial polymer and comoposite materials- Their constitution, Chemical and physical properties, Industrial applications. **06L**

UNIT-III Glass : Types, composition, manufacture, physical and chemical properties, Applications. **04L**

Corrosion : Various types of corrosion relevant to chemical Industry-Machanism, Preventive methods. **04L**

UNIT-IV Pollution : Air, Oxygen, nitrogen cycle, water, Biosphere, flora and fauna, Energy, soil. **05L**

Pollutants and their statutory limits, pollution evaluation methods. **04L**

UNIT-V Air pollution-various pollutants. water pollution-organic/inorganic pollutants, Noise pollution, sewage analysis, pesticide pollution, Radiation pollution, green house effect, future. **10L**

Books Recommended :

1. Pollution control in chemical & Allied Industries, S.P. Mahajan.
2. Poolution Control in Industries, A Sories of Books by Jones, H.P.
3. Air Pollution - Vol.1 to 4, Editor, STERN, A.C.; Academic Press.
4. Environmental Engineering, G.N. Pandey, Tata McGraw Hill.
5. Homd Book of Air Pollution, A. Parker, Tata McGraw Hill.
6. Science of Ceromic chemical Processing, Hench, L.L.
7. Science of Ceramics, Stewarts, G.H.
8. Chemistry of Cement.
9. Properties of Glass, Morcy, G.W.
10. Chemistry of Glasses, Paul, A.
11. Corrosion, causes & Prevention, Spellur, F.N.

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24.9.2014 26.7.17 24/7/17 24/7/17 24.7.17

B.A/B.Sc/B.com All
(Code-001, 004, 007)

UNIT-I THE MULTI DISCIPLINARY NATUREOF ENVIRONMENTALSTUDIES

(Paper code - 001199, 004199, 007199)

Definition, Scope and

Importance Natural Resources:

Renewable and Nonrenewable Resources

(a) Forest resources: Use and over-exploitation, deforestation, Timber extraction, mining, dams and their effects on forests and tribal people and relevant forest Act.

(b) Water resources: Use and over-utilization of surface and ground water, floods drought, conflicts over water, dams benefits and problems and relevant Act.

(c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.

(d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging ,salinity.

(e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources.

(f) Land resources: Land as a resource, land degradation, man induced landslides soil erosion and desertification.

(12 Lecture)

UNIT-II ECOSYSTEM

(a) Concept, Structure and Function of and ecosystem

- Producers, consumers and decomposers.
- Energy flow in thee co system
- Ecological succession
- Food chains, food webs and ecological pyramids.
- Introduction, Types, Characteristics Features, Structure and Function of Forest, Grass, Desert and Aquatic Ecosystem.

(b) Biodiversity and its Conservation

- Introduction - Definition: genetic, species and ecosystem diversity
- Bio-geographical classification of India.
- Value of biodiversity: Consumptive use. Productive use, social ethics, aesthetic and option values.
- Biodiversity at global, National and local levels.
- India as mega-diversity nation.

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- Hot spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wild life conflict.
- Endangered and endemic species of India.
- Conservation of biodiversity: In situ and Ex-situ conservation of biodiversity.

(12Lecture)

UNIT- III

(a) Causes, effect and control measures of

- Air water, soil, marine, noise, nuclear pollution and Human population.
- Solid waste management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Disaster Management: floods, earthquake, cyclone and landslides.

(12Lecture)

(b) Environmental Management

- From Unsustainable to sustainable development.
- Urban problems related to energy.
- Water conservation, rain water harvesting, water shed management.
- Resettlement and rehabilitation of people, its problems and concerns.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
- Wasteland reclamation
- Environment protection Act: Issues involved in enforcement of environmental legislation.
- Role of Information Technology in Environment and Human Health.

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UNIT- IV

General background and historical perspective- Historical development and concept of Human Rights, Meaning and definition of Human Rights, Kind and Classification of Human Rights.

Protection of Human Rights under the UNO Charter, protection of Human Rights under the Universal Declaration of Human Rights, 1948.

Convention on the Elimination of all forms of Discrimination against women.

Convention on the Rights of the Child, 1989.

UNIT-V

Impact of Human Rights norms in India, Human Rights under the Constitution of India, Fundamental Rights under the Constitution ofIndia, Directive Principles of State policy under the Constitution of India, Enforcement of Human Rights in India.

Protection of Human Rights under the Human Rights Act, 1993- National Human Rights Commission, State Human Rights Commission and Human Rights court in India.

Fundamental Duties under the Constitution of India.

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B.SC.-III (Code-006)

PAPER- I (BOTANY) (006314)

(ANALYTICAL TECHNOLOGY PLANT PATHOLOGY, EXPERIMENTAL EMBRYOLOGY, ELEMENTARY BIOSTATISTICS, ENVIRONMENTAL POLLUTION AND CONSERVATION)

UNIT-I

Structure, Principle and applications of analytical instrumentation.

Chromatography technique, Oven, Incubator, Autoclave, Centrifuge, Spectrophotometere

UNIT-II

Plant Tissue culture techniques, growth media, totipotency, protoplast culture, somatic hybrids and cybrids, micropropagation, somaclonal variations, haploid culture.

Analytical techniques: Microscopy-Light microscope, Electron microscope

UNIT-III

General principles of plant pathology, general symptoms of fungal, bacterial and viral diseases, mode of infection] diseases resistance and control measures, plant quarantine. A study of epidemiology and etiology of following plant diseases.

Rust diseases of wheat, Tikka diseases of groung nut, Red rot of sugar can, Bacterial blight of rice, yellow vein mosaic of b hindi, Little Leaf of brinjal.

UNIT-IV

Introduction to pollution, green house gases, Ozone depletion, Dissolve oxygen, B.O.D., C.O.D.

Bio magnification, Eutrophication, Acid precipitation, Pytoremediation. Plant indicators, Biogeographical Zones of India, Concept of Biodiversity, CBD, MAB, National parks and biodiversity Hot spots, Conservation strategies, Red Data Book, IUCN threat categories, invasive species, endemic species. concept of sustainable development.

UNIT-V

ELEMENTARY BIOSTATISTICS:

Introduction and application of Biostatics, measure of central tendency-Mean, Median, Mode, measures of dispersal-Standard deviation, standard error.

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B.Sc. - II (Code - 006)

Paper- II: Environmental, industrial and Agricultural Microbiology

(Paper Code - 006325)

UNIT-1: AIR MICROBIOLOGY

Basics of Aerobiology, Microbes in atmosphere, source of microorganism in air, droplet nuclei, infectious dust, and bio-aerosol. Factors affecting microbial survival in the air. Sampling, collection and Isolation of microbes from air.

UNIT-2: WATER MICROBIOLOGY

Basic concept, water zonation, eutrophication, microbial community in natural water. Determining the quality of water- bacteriological evidence for fecal pollution, indicator of fecal pollution. Water purification methods. Disinfection of potable water supply.

UNIT-3: SOIL MICROBIOLOGY.

Soil as an environmental culture medium, microbes of soil. Brief account of microbial interactions-symbiosis, mutualism, commensalism, competition, predation, parasitism. Microbiological examination of soil. Rhizosphere-concept and role of microbes, rhizosphere and non-rhizosphere micro-flora. Mycorrhiza.

UNIT-4: INDUSTRIAL MICROBIOLOGY.

Introduction and brief history and scope, important microbes in various industries. Fermentation- definition, types-Aerobic and anaerobic, Batch and SSF. Important products bread, cheese, vinegar, fermented dairy products and oriented fermented food involving microbes. Microbial cells as food. SCP -mushroom cultivation, production of alcohol and fermented beverages, beer and Wine

UNIT-5: AGRICULTURAL MICROBIOLOGY

History of Agricultural Microbiology; Microbes and their importance in maintenance of soil, Biogeochemical cycles, role of microbes in maintaining the fertility of soil. Bio fertilizers –Bacterial, azotobacter and vermiform compost. Soil microorganism -association with vascular plants- phyllosphere, Rhizobium, Rhizoplane associative nitrogen fixation. Bio-fertilizers - Cyanobacterial and Azolla

Text Books Recommended:

1. Hugo, W.B., Russell, A.D, pharmaceutical Microbiology 4th edition. Blackwell scientific publications / Oxford.
2. Russell and Ayliffe, G. A .J (1982) Principles and practice of Disinfection, preservation and sterilization Oxford:
3. Gregory P.H. Microbiology of the atmosphere.2nd edition. Leonard Hill.
4. Food Microbiology by WC Frazier and D Westhoff.
5. Agricultural Microbiology by Bhagyaraj and Rangaswamy.
6. Bioremediation by KH Baker and DS Herson

DR. K.K. Patel 29/05/2021

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B.Sc. (III)
Chemistry (IC)
(Code - 006)

INDUSTRIAL CHEMISTRY (006321)

PAPER – I

(Paper Code - 0871)

M.M. 34

UNIT-I Material Science : Mechanical Properties of materials and change with respect to temperature. **02L**

Material of constructions used in Industry :

Metals and Alloys : Important metals & alloys; iron, copper, aluminium lead, nikel, titanium and their alloys- Mechanical and chemical properties and their applications. **06L**

Cement : Types of cement, composition, manufacturing process, setting of cement. **04L**

Ceramics : Introduction, Types, Manufacturing process, Applications. Refractories. **04L**

UNIT-II Polymeric Mateials : Industrial polymer and comoposite materials- Their constitution, Chemical and physical properties, Industrial applications. **06L**

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Corrosion : Various types of corrosion relevant to chemical Industry-Machanism, Preventive methods. **04L**

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Pollutants and their statutory limits, pollution evaluation methods. **04L**

UNIT-V Air pollution-various pollutants. water pollution-organic/inorganic pollutants, Noise pollution, sewage analysis, pesticide pollution, Radiation pollution, green house effect, future. **10L**

Books Recommended :

1. Pollution control in chemical & Allied Industries, S.P. Mahajan.
2. Poolution Control in Industries, A Sories of Books by Jones, H.P.
3. Air Pollution - Vol.1 to 4, Editor, STERN, A.C.; Academic Press.
4. Environmental Engineering, G.N. Pandey, Tata McGraw Hill.
5. Homd Book of Air Pollution, A. Parker, Tata McGraw Hill.
6. Science of Ceromic chemical Processing, Hench, L.L.
7. Science of Ceramics, Stewarts, G.H.
8. Chemistry of Cement.
9. Properties of Glass, Morcy, G.W.
10. Chemistry of Glasses, Paul, A.
11. Corrosion, causes & Prevention, Spellur, F.N.

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Hemchand Yadav Vishwavidyala, Durg (C.G.)

Zoology

B.Sc. Part III **(2021-22)** (Code-006)

Paper-I

ECOLOGY, ENVIRONMENTAL BIOLOGY: TOXICOLOGY, MICROBIOLOGY AND MEDICAL ZOOLOGY (006328)

Unit: I (Ecology)

- Aims and scopes of ecology
- Major ecosystems of the world-Brief introduction
- Population- Characteristics and regulation of densities
- Communities and ecosystem
- Bio-geo chemical cycles
- Air & water pollution
- Ecological succession

Unit: II (Environmental Biology)

- Laws of limiting factor
- Food chain in fresh water ecosystem
- Energy flow in ecosystem- Trophic levels
- Conservation of natural resources
- Environmental impact assessment

Unit: III (Toxicology)

- Definition and classification of Toxicants
- Basic Concept of toxicology
- Principal of systematic toxicology
- Heavy metal Toxicity (Arsenic, Murcury, Lead, Cadmium)
- Animal poisons- snake venom, scorpion & bee poisoning
- Food poisoning

Unit: IV (Microbiology)

- General and applied microbiology
- Microbiology of domestic water and sewage
- Microbiology of milk & milk products
- Industrial microbiology: fermentation process, production of penicillin, alcoholic breverages, bioleaching.

Unit:V (Medical Zoology)

- Brief introduction to pathogenic microorganisms, Ricketssia, Spirochaetes, AIDS and Typhoid
- Brief account of life history & pathogenicity of the following pathogens with reference to man: prophylaxis & treatment
- Pathogenic protozoan's- Entamoeba, Trypanosome & Plasmodium
- Pathogenic helminthes- Schistosoma
- Nematode pathogenic parasites of man
- Vector insects

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REVISED SYLLBUS

B. A. Part- III (Economics) (Code – 003)

Subject: Development and Environmental Economics, Paper-I

(Paper Code — 003341)

UNIT 1

Economic Growth and Development: Factor affecting economic growth (Labour, capital and technology), Developed and under developed Economy, Poverty- absolute & relative, Marxian model of Economic Growth, Mahalanobis Model of Economic Growth. Balanced and unbalanced growth.

UNIT 2

Problems of Population and growth pattern of population. Theory of demographic transition. Population, poverty and environment. Schumpeter's theory of economic growth, Theory of Big-Push, Nelson's theory of low-level income equilibrium trap , Theory of Critical minimum efforts ,

UNIT 3

Harrod and Domar growth model, Solow's model of economic growth, Meades Neo classical models, , Mrs. Joan Robinson's growth model , A. Lewis theory of unlimited supply of labour.

UNIT 4

Environment: Environmental and use, environmental disruption as an allocation, problem. valuation of environmental damages- land, water , air & forest , prevention control and abatement of pollution, choice of policy instruments in developing countries, environmental legislation, indicators of sustainable development, environmental accounting

डॉ० रेशमा अग्रवाल डॉ० डी० पी० कुर्रे श्रीमती [illegible] डॉ० सुनीता भावना डॉ० योगेश प्रसाद

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REVISED SYLLBUS

B. A. Part- I (Economics) (code - 001)

Subject : Indian Economy , Paper-II (Code: ~~0112~~) 00141)

UNIT 1

Pre and post independent Indian economy: A short introduction of economic policies of British India, State of economy at the time of independence, Planning exercise in India-Planning in India through different five Year Plans, The planning commission and NITI Aayog, Growth and development in pre-reform period, New Economic Reforms: Liberalization, Privatization and Globalization, Growth, development and structural change in post-reform period.

UNIT 2

Population and human development: Demographic trends and issues of education, health, malnutrition and migration. Growth and distribution: Trends and policies in poverty, inequality, unemployment and occupational distribution, International comparison in human development and poverty reduction

UNIT 3

Agriculture: Nature and importance, Trends in agriculture production and productivity, factors determining productivity, Land reforms, new agriculture strategies and green revolution, rural credit, Agricultural marketing, natural resources and infra-structure development: Performance, problems and policies, MUDRA Yojana.

UNIT 4

Industry: Growth and productivity, Industrial policy and reforms, Growth and problems of small and cottage scale industries, Role of public sector enterprises in India's industrialization. Trends and performance in services.

UNIT 5

External Sector - Role of foreign trade, Trends in exports and imports, Composition and direction of India's foreign trade, Export promotion measures and the new

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Revised Syllabus

SOCIOLOGY-B.A. PART-I (Code-001)

Paper-I

INTRODUCTION TO SOCIOLOGY (Paper Code- 0115) (001111)

UNIT-I

Sociology: Meaning, Nature, Scope, Subject matter and Significance.

Basic Concepts: Society, Community, Institution, Association, Group, Status and Role.

UNIT-II

Social Institutions: Marriage, Family and Kinship.

Culture and Society: Culture, Socialization, The Individual and Society, Social Control, Norms and Values.

UNIT-III

Social Stratification: Meaning, Forms and Theories.

Social Mobility: Meaning, Forms and Theories.

UNIT-IV

Social Change: Meaning and Patterns, Types, Factors, Evolution and Progress.

UNIT-V

Social System and Process: Social System- Meaning, Characteristics and Elements.

Social Process- Meaning, Elements, Characteristics and Types.

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Revised Syllabus

SOCIOLOGY-B.A. PART-I (Code -001)

Paper-II

CONTEMPORARY INDIAN SOCIETY (Paper Code- 0116) (001111)

UNIT-I

Classical View about Indian Society: Verna, Ashram, Karma, Dharma and Purusharth

UNIT-II

The Structure and Composition of Indian Society.

Structure: Village, Towns, Cities and Rural- Urban Linkage.

Composition: Tribes, Dalits, Women and Minorities.

UNIT-III

Basic Institutions of Indian Society:

Caste System, Joint Family, Marriage and Changing Dimensions.

UNIT-IV

Familial Problems:

Dowry, Domestic Violence, Divorce, Intra-Intergenerational Conflict, Problem of Elderly.

UNIT-V

Social Problems:

Surrogate Motherhood, Live in Relationship, Regionalism, Communalism, Corruption, Youth Unrest.

PRINCIPAL
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Revised Syllabus

SOCIOLOGY-B.A. PART-II (Code-002)

Paper-II

CRIME AND SOCIETY (Paper Code- 0186) (062211)

UNIT-I

Concept of Crime: Meaning, Characteristics and Types.

School of Crime: Classical, Sociological and Psychological.

UNIT-II

Structure of Crime: Anomie, Criminality and Suicide, Organized Crime, White Collar Crime and Cyber Crime.

UNIT-III

Social Evils and Crime: Alcoholism, Drug Addiction, Dowry and Beggary.

UNIT-IV

Punishment: Meaning, Characteristics, Objectives and Types, Major Theories of Punishment.

UNIT-V

Correctional Process: Role of police and judiciary in India, Development of Jail Reforms in India and Modern correctional concepts- Probation, Parole and after care Programme.

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Revised Syllabus

SOCIOLOGY-B.A. PART-II (Code - 002)

Paper-I

SOCIOLOGY OF TRIBAL SOCIETY (Paper Code- 0185) (002211)

UNIT-I

Tribes: Concepts, Characteristics, Tribes and Schedule Tribes, Distinction between Tribe and Caste.

UNIT-II

Classification of Tribal People: Food gatherers and hunters, Shifting Cultivates, Nomads, Peasant settled Agriculturists and Artisans.

UNIT-III

Socio-cultural Profile: Kinship, Marriage, Family, Religion and belief cultural traditions.

UNIT-IV

Tribal Sensitization: Tribal Mobility, Schemes of Tribal Development, Various Tribal Movements.

UNIT-V

Problems of Tribal People: Poverty, Illiteracy, Indebtedness, Agrarian issues, Exploitation Study of Tribal Communities in Chhattisgarh with special reform to Particularly Venerable Tribal Groups (PVTG)

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BA II (Code-002)

PAPER – I

SOCIAL PSYCHOLOGY (Paper Code-0189) M.M. 50 (002252)

This paper consists of 5 units.

From each unit a minimum of two questions would be set and candidates would be required to attempt one from each unit.

UNIT-I Nature, goal and scope of social psychology, methods of social psychology: experimental, survey, interview, observation, sociometry. Approaches to study of social behaviour: psychoanalytic, cognitive, behavioural.

UNIT-II Social Perception: Perception of self and others, impression formation and its determinant, prosocial behaviour: co-operation and helping, personal, situational and socio-cultural determinants.

UNIT-III Stereotypes: Nature, determinants, prejudice: nature and determinants, Attitudes: nature and measurements, interpersonal attraction and its determinants.

UNIT-IV Group Structure and function, social facilitation, conformity, cohesiveness. Group Norms. Leadership: Nature types characteristics and functions.

UNIT-V Social issues: Aggression, determinants, prevention and control. Population Explosion: nature and consequences, socio, cultural pollution: corruption, mob behaviour, gender discrimination and child labour.

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B.A. III

PAPER - II (Optional) (Code-002)

(A) HUMAN DEVELOPMENT M.M.:50 (Paper Code-0251) (002352)

This paper consists of 5 units.

From each unit a minimum of two questions would be set and candidates would be required to attempt one from each unit.

UNIT-I Concept of Human Development, Theories of Human Development :Psychoanalitical and Maslow, Determinants of Human Development - Biological, social, cultural factors, Approaches to study human developments: Longitudinal and cross - sectional.

UNIT-II Socialisation : Role of family, peers and school, Media and socialisation, Ecological factors in Human Development, Cogniitive Development :Theoritical Perspectives Piaget, Information Processing, Vyogotsky.

UNIT-III Self and Identity: Emergence of self, Development of personal identity, identity crises, Physical and sexual maturation, Sequential development of emotions.

UNIT-IV Development of morality and self-concept, Development of gender differences and gender roles, Role of marriage, family and occupation in Human Development.

UNIT-V Problems of Aging - Cognitive, conative, affective, Developmental Disabilities.

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B. Com Part-I (Code-007)

Compulsory

Group – I Paper – I - Financial Accounting (007110)

OBJECTIVE – To Impart basic accounting knowledge as applicable to business.

UNIT –I

Accounting: An Introduction: Development, Definition, Needs, objectives; Branches of accounting; Basic Accounting Principles, Concepts & Conventions.

Accounting Standard: International Accounting Standard only outlines, Accounting Standard in India.

Accounting Transaction: Concept of Double Entry System, Concept of Capital & Revenue, Book of original records: Journal; Ledger; Sub-Division of Journal: Cashbook.

UNIT –II

Final Accounts: Trial balance; Manufacturing account; Trading account; Profit & loss account; Balance sheet; Adjustment entries.

Rectification of errors; Classification of errors; Location of errors; Rectification of errors; Suspense account; Effect on profit.

UNIT –III

Depreciation, Provisions, and Reserves; Concept of depreciation; Causes of deprecation; Depreciation, depletion amortization, Depreciation accounting; Methods of recording depreciation; Methods for providing depreciation; Depreciation of different assets; Depreciation of Replacement cost; Depreciation policy; as per Indian accounting Standard : provisions and Reserves. Accounts of Non-Trading Institutions.

UNIT –IV

Special Accounting Areas :

Hire-purchase and installment purchase system: Meaning of hire-purchase contract, Legal provision regarding hire-purchase contract; Accounting for goods of substantial sale values, and accounting records for goods for small values ; Installment purchase system ; After sales service.

UNIT –V

Partnership Account: Dissolution of a Partnership Firm, Amalgamation of Partnership Firms, Conversion of Partnership Firm into Joint Stock Company.

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B.Com Part-I (code-007)

Compulsory

Group – I Paper – II - BUSINESS COMMUNICATION (007110)

Proposed Syllabus

OBJECTIVE – To develop effective business communication skills among the students.

UNIT –I

Introducing Business Communication: Definitions, concept and Significance of communication. Basic forms of communicating: Communication models and process; principles of effective communication; Theories of communication;
Self-Development and Communication; Development of positive personal attitudes, SWOT analysis.

UNIT –II

Corporate Communication: Formal and Informal communication networks; Grapevine; Miscommunication (Barriers); improving communication. Practices in business communication; Group discussions; Seminars; Effective Listening: Principles of effective listening; Factor affective listening exercises; Oral, Written, and video session. Audience analysis and feedback.

UNIT –III

Writing skill: Business letters – Defination, concepts, structure, advantages disadvantage, need and kinds of business letter, Essentials of effective business letter. Good news and bad new letters; Office memorandum. Writing Resume and Letter of Job Application.

UNIT –IV

Report Writing: Introduction to a proposal, Short report and formal report, report preparation.

Oral Presentation: Principles of oral presentation, factor affecting presentation, sales presentation, training presentation, conducting surveys, speeches to motivate, presentation skill.

UNIT –V

Non-Verbal Aspects of Communicating. Body Language: Kinesics, Proxemics, Para Language.

Interviewing skills: Appearing in interviews; conducting interviews; mock interview.

Modern Forms of Communicating: Fax; E-Mail; video conferencing; etc.

International Communication for global business.

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B.Com Part-I (Code - 007)

Compulsory

Group – II

Paper – II – BUSINESS REGULATORY FRAMEWORK (007/20)

Proposed Syllabus

OBJECTIVE – To provide a brief idea about the framework of Indian business laws.

UNIT-I

Law of Contract (1872) –I : Nature of contract ; Classification ; Offer and acceptance; Capacity of parties to contract, free consent, Considerations, Legality of object; Agreement declared void.

UNIT-II

Law of Contract (1872) - II : Performance of contract, Discharge of contract; Remedies for breach of contract.
Special contracts; Indemnity ; Guarantee; Bailment and pledge; Agency.

UNIT –III

Sale of Goods Act (1930) :Formation of contracts of sale ;Goods and their classification, price, Conditions and warranties; Transfer of property in goods; Performance of the contract of sales; Unpaid seller and his rights; sale by auction; Hire purchase agreement.

UNIT –IV

Negotiable Instrument Act (1881) : Definition of negotiable instrument; Feature; Promissory note; Bill of exchange & cheque; Holder and holder in the due course; Crossing of a cheque, types of crossing; Negotiation; Dishonor and discharge of negotiable instrument.

UNIT-V

The Consumer Protection Act 1986 : Main Provision, Definition of consumer ,Consumer Disputes , Grievance redressal machinery ; Indian Partnership Act 1932, Limited Liabilities Partnership Act 2008.
Introduction of Intellectual Property Right Act – Copyright, Patent & Trademark.

Suggested Readings:

1. Kuchal M.C. ; Business Law ; Vikas Publishing House, Delhi. (English medium)
2. Kapoor N.D. : Business Law ; Sultan Chand & Sons, New Delhi. (English medium)
3. Chandha P.R. : Business Law; Galgotia ,New Delhi. (English medium)
4. Dr. J.K. Vaishnav : Business Law; Sahitya Bhawan publication, Agra. (English medium)
5. Prof. R. C. Agrawal; Business Regulatory Framework; SBPD Publishing House, Agra. (Hindi medium)
6. K.R. Bulchandani; Business Law; Himalaya Publishing House , Mumbai. (Both Hindi and English medium)
   R.L. Navlakha; Business Law; Ramesh Book depot, Jaipur. (Both Hindi and English medium)
7. Arun Kumar Gangele; Business Regulatory Framework; Ram Prasad & Sons, Agra. (Hindi
8. medium)

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B.Com Part-I (Code-007)

Compulsory

Group – III

Paper – I – BUSINESS ENVIRONMENT (007130)

Proposed Syllabus

OBJECTIVE – To acquainting the students with the emerging issues in business at the national and international level in the light of the policies of liberalization and globalization.

UNIT –I

Business Environment : Concept, Components and Importance .Economic Trends (overview) : Income : Saving and investment ; Trade and balance of payment, Money and Finance .

UNIT –II

Problems of Growth : Unemployment ; Poverty ; Regional imbalances ; Social Injustice; Inflation ; Parallel economy ; Industrial sickness.

UNIT –III

Role of Government ; Monetary and fiscal policy ; Industrial policy ; Industrial licensing. Privatization ; Liberalisation, Globalisation Devaluation; Demonitisation; Export-Import policy.

UNIT –IV

Planning in India : Need, objectives, Strategy; Review of Previous Plans, Planning Commission.

Foreign Exchange Management Act 2000 : Basic Concept and Main Provisions.

UNIT –V

International Environment ; Trends in World trade and the problems of developing countries; Foreign trade and economic growth; International economic groupings – GATT.,WTO ,UNCTAD, World Bank, IMF; FDI.

Suggested Readings:

1. Agarwal A. N. : Indian Economy, Vikas Publishing House Delhi. (English medium)
2. Khan Faroog A : Business and Society; S. Chand , Delhi. (English medium)
3. Dutt R. and Sundharam K. Pm. ; Indian Economy; S. Chand , Delhi. (English medium)
4. Misra S.K. and Puri V.K. : Indian Economy; Himalaya Publishing House, New Delhi. (English medium)
5. Dr. V.C. Sinha; Business Environment; SBPD Publishing House, Agra . (Both Hindi and English medium)
6. Dr. J. K. Jain; Business Environment; Madhya Pradesh hindi Granth Academy; Bhopal. (Hindi medium)
7. Gupta & Pathak; Business Environment; Ram Prasad & Sons, Raipur. (Hindi medium)
8. S.K. Singh; Business Environment; SBPD Publishing House, Agra . (Both Hindi and English medium)

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B. COM - I (COMPUTER APPLICATION) (Code - 007)
PAPER - I
COMPUTER FUNDAMENTALS (007140)

MAX MARKS : 50

Note :- The Question Paper setter is advised to prepare unit-wise question with the provision of internal choice.

UNIT-I INTRODUCTION TO COMPUTERS

Computer System: Characteristics and capabilities. Computer Hardware and Software: Block Diagram of Computer, Different Data Processing: Data, Data Processing System, Storing Data, Processing Data. Types of Computers: Analog, Digital, Hybrid General and Special Purpose Computers. Generation of Computers. Computer Systems: Micro, Minis & Main-Frames. Limitations of Micro Computer. **Number systems:** Decimal number system. Binary number system. Octal and Hexadecimal number system. 1's and 2's complement. **Codes:** ASCII, EBCDI codes, Gray code and BCD. **Logic Gates**: AND, OR, NOT GATES and their Truth tables, NOR NAND and XOR gates.

UNIT-II COMPUTER PERIPHERALS

Introduction to Input Devices: Categorizing Input Hardware, Keyboard, Direct Entry- Card Readers Scanning Devices - O.M.R. Character Readers, Thumb Scanner, MICR Smart Cards, Voice Input Devices Pointing Devices - Mouse Light Pen, Touch Screen. **Computer Output** : Output Fundamentals, Hardcopy Output Devices, Impact Printers, Non-Impact Printers, Plotters, Computer output Microfilm/Microfiche (COM) System, Softcopy Output Devices, Cathode Ray Tube, Flat Screen Technologies, Projectors, Speakers.

UNIT-III BASIC COMPONENTS AND STORAGE

Central Processing Unit : The Microprocessor, control unit, A.L.U., Registers, Buses, Main Memory, Main Memory(RAM) for microcomputers, Read Only Memory(ROM). Storage Devices: Storage Fundamentals, Primary and Secondary Storage, Data Storage and Retrieval Methods – Sequential, Direct & Indexed Sequential, Tape Storage and Retrieval Methods Tape storage Devices, characteristics and limitations, Direct access Storage and Microcomputers - Hard Disks, Disk Cartridges, Direct Access Storage Devices for large Computer systems, Mass storage systems and Optical Disks, CD ROM.

UNIT-IV COMPUTER SOFTWARE AND LANGUAGES

System Software: System software Vs. Application Software, Types of System Software, Introduction and Types of Operating Systems, Boot Loader, Diagnostic programs, BIOS, Utility Programs, **Application Software** : Microcomputer Software, Interacting with the System, Trends in PC software, Types of Application Software, Difference between Program and Packages. **Computer Language:** Definition, Generations of Computer languages, Types of Languages. **Language Processors:** Assembler, Interpreter, Compiler, Linker and Loader, Programming constructs, Algorithm and flowchart.

UNIT-V INTRODUCTION TO MS-DOS AND WINDOWS

Introduction to DOS: History and Versions of DOS Fundamentals of DOS: Physical Structure of the Disk, Compatibility of drives, Disks & DOS versions, Preparing Disks for use, Device Names. Getting Started with DOS: Booting Process (DOS, Windows ,UNIX), System Files and Command.com, Internal DOS files & Directories. Elementary External DOS Commands, Creating a Batch Files, Additional Commands. **Microsoft Windows: Operating** system, Definition and functions, basics of Windows. Basic components of windows, icons, types of icons, taskbar, activating windows, using desktop, title bar, running applications, exploring computer, managing files and folders, copying and moving files and folders. Control panel-display properties, adding and removing software and hardware setting sate and time, screen saver and appearance. Using windows accessories.

TEXT BOOK

1. Introduction to Information Technology, V. Rajaraman, PHI Sixth Edition.
2. Computer Fundamentals, P.K. Sinha, BPB Publication, Sixth Edition.
3. Fundamentalsof Information Technology, Chetan Shrivastava, Kalyan Publishers.
4. Computers Today, Suresh K. Basandra. Galgotia Publications.

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B.Com. II year (Code - 008)

COMPULSORY

Group - I PAPER - I (CORPORATE ACCOUNTING) (008210)

(As per company act 2013)

Proposed Syllabus

OBJECTIVE

This course enable the students to develop awareness about corporate accounting in conformity with the provisions of companies Act.

UNIT-I Issue, Forfeiture, and Re-issue of Shares : Redemption of preference shares; Issue and redemption of debentures.

UNIT-II Final Accounts (as per company act 2013)
Liquidation of Company.

UNIT-III Valuation of Goodwill and Shares.

UNIT-IV Accounting for Amalgamation of Companies as per Indian Accounting Standard 14; Accounting for internal reconstruction - excluding intercompany holdings and re-construction schemes.

UNIT-V Consolidated Balance Sheet of holding companies with one subsidiary only.

SUGGESTED READINGS :

1. Dr. S.M. Shukla, Sahitya Bhawan Agra.
2. Dr. Mangal Mehta & Agrawal Published - Indore.
3. Dr. Karim Khanuja - Published - Agra.
4. Gupta R.L., Radhaswamy M; Company Accounts; Sultan Chand & Sons, New Delhi.

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Group - II PAPER – I (Code-008)

(COST ACCOUNT) (008220)

Proposed Syllabus

OBJECTIVE

This course exposes the students to the basic concepts and the tools used in cost accounting.

UNIT-I Introduction : Nature and scope of cost accounting ; Cost concepts and classfication; Methods and techniques; Installation of costing system; Concept of cost audit. Accounting for Material : Material Control; Concept and techniques; Pricing of material issues; Treatment of material losses.

UNIT-II Accounting for Labour : Labour cost control procedure; Labour turnover; Idle time and overtime; Methods of wage payment - time and piece rates; Incentive schemes. Accounting for overheads; Classification and departmentalization; Absorption of overheads; Determination of overhead rates; Under and over absorption, and its treatment.

UNIT-III Cost Ascertainment : Unit costing; Job, batch and contract costing.

UNIT-IV Operating costing; Process Costing - excluding inter - process profits, and joint and by - products.

UNIT-V Cost Records : Intergal and non - integral system; Reconciliation of cost and financial accounts; Break Even Point.

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Group - II - PAPER - II (Code – 008)

PRINCIPLES OF BUSINESS MANAGEMENT (008220)

Proposed Syllabus

OBJECTIVE

This Course familiarizes the students with the basics basics of principles of management.

UNIT-I Introduction : Concept, nature, process, and significance of management; manage-ment roles (Mintzberg); An overview of functional areas of management; Development management thought; Classical and neo-classical systems; Concept approaches.

UNIT-II Planning : Concept, process and types.
Decision making - concept and Bounded rationality; Management by objectives; Corporate planning; Environment analysis and diagnosis; Strategy formulation.

UNIT-III Organizing : Concept, nature, process and significance; Authority and resident relationships; Centralization and decentralization; Departmentation; Organization structure - forms and contingency factors.

UNIT-IV Motivating and Leading People at work : Motivation - concept; Theories Herzberg, McGregor, and Ouchi; Financial and non- financial incentives.
Leadership - concept and leadrship styles; Leadership theories (Tannenb Schmidt.); Likert's System Management;
Communication - nature, process, networks, and barriers, Effective Communication.

UNIT-V Managerial Control : Concept and process; Effective control system; Technical control - traditional and modern. Management of Change : Concept, nature, and process of planned Resistance to change; Emerging horizons of management in a environment.

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ST. THOMAS COLLEGE, BHILAI
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B.COM PART III (Code - 009)

COMPULSORY CORE COURSE

TITLE OF PAPER - Group-I

PAPER – I - INCOME TAX (009310)

OBJECTIVE

It enables the students to know the basics of Income Tax Act and its implications.

M.M. 75

UNIT- I Basic Concepts: Income, agricultural Income, casual income, assessment year, previous year, gross total income, total income, person.
Basis of charge: Scope of total income, residence and tax liability, income whichdoes not form part of total income.

UNIT- II Heads of Income: Salaries; Income from house property.

UNIT- III Profit and gains of business or profession, including provisions relating to specific business; Capital gains, Income from other sources.

UNIT-IV Computation of Tax Liabilty: Set-off and carry forward of losses; Deduction from grosstotal income.Aggregation of income; Computation of total income and tax liability of individualand& HUF.

UNIT-V Tax Management: Tax deduction at source; Advance payment of tax; Assessmentprocedures; Tax planning for individuals.
Tax evasion, Tax Avoidance and Tax planning. Tax Administration: Authorities, appeals, penalties.
Preparation of return of income
-Manually and on line

Suggested Reading:

1. Singhania V.K.: Students Guide to Income Tax; Taxmann, Delhi.
2. Prasad, Bhagwati: Income Tax Law &Prectice; Wily Publication, New Delhi.
3. Mehrotra H.C.: Income Tax Law & Accounts: SahityaBhawan, Agra.
4. Girish Ahuja and Ravi Gupta: Systematic approach to income tax: Sahitya Bhawan Publications, New Delhi.
5. Chandra Mahesh and Shukla D.C.: Income Tax Law and Practice; Pragati Publications, New Delhi.
6. R.K. Jain: Income Tax & Law (Hindi & English) ShahityaBhavan, Publication, Agra.

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B.COM PART III (Code-009)

COMPULSORY CORE COURSE

TITLE OF PAPER - Group-I

PAPER – II- AUDITING (009310)

M.M. 75

OBJECTIVE

This course aims at imparting knowlege about the principles and methods of auditingand their applications.

UNIT-I Introduction: Meaning and objectives of auditing; Types of audit; Internal audit. Audit Process: Audit programme; Audit note books; Working papers and evidences.

UNIT-II Internal Check System: Internal control.

Audit Procedure: Vouching: Verification of assets and liabilities.

UNIT-III Audit of Limited Companies:

a. Company auditor – Qualification, Appointment, powers, duties, Resignation and liabilities.
b. Divisible profits and dividend.
c. Auditor's report - standard report and qualified report.
d. Special audit of banking companies.
e. Audit of educational institutions.
f. Audit of Insurance companies.

UNIT-IV Investigation: Investigation; Audit of non profit companies,

a. Where fraud is suspected, and
b. When a running a business is proposed.
c. Varifications & Valuation of assets.

UNIT-V Recent Trends in Auditing: Nature and significance of cost audit; Tax audit;

Management audit.

Suggested Reading:

1. Gupta KaPal: Contemporary Auditing: Tata Mcgraw Hill, New Delhi.
2. Tandon B.N.: Principles of Auditing: S. Chand & Co., New Delhi.
3. Pagare Dinkar: Principles and Practice of Auditing: Sultan Chand, New Delhi.
4. Sharma T.R.: Auditing Principles and Problems, SahityaBhawan, Agra.
5. Shukla S.M.: Auditing - ShahityaBhavan, Agra, (Hindi)
6. Batliboy: Auditing.

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B.COM PART III (Code-009)

COMPULSORY CORE COURSE

PAPER – II

Group-II -PAPER – I - INDIRECT TAXES WITH GST (009320)

OBJECTIVE

This course aims at imparting basic knowlege about GST and apply the provisions of GST law to various situations.

M.M. 75

UNIT-I Customs : Role of customs in international trade; Important terms and definitionsgoods; Duty; Exporter; Foreign going vessel; Aircraft goods; Import; Import Manifest;

Importer; Prohibited goods; Shipping bill; Store; Bill of lading; Export manifest; Letter of credit; Kinds of duties - basic, auxillary, additional or coutervailing; Basics of levyadvalorem,specific duties; Prohibition of export and import of goods, and provisions

regarding notified & specified goods; Import of goods - Free import and restrictedimport; Type of import - import of cargo, import of personal baggage, import ofstores.Clearance Procedure - For home consumption, for warehousing for re-export; Clearance procedure for import by post; Prohibited exports; Canalised exports; Export against licensing; Type of exports export of cargo, export of baggage; Export of cargo by land, sea, and air routes.

UNIT-II State Excise, CENVAT. Detail study of State Excise during calculation of Tax.

UNIT-III INTRODUCTION TO GOODS AND SERVICES TAX (GST) -Objectives and basic scheme of GST, Meaning – Salient features of GST – Subsuming of taxes –Benefits of implementing GST , Structure of GST (Dual Model) – Central GST – State / Union Territory GST – Integrated GST

GST Council: Structures Power and Functions. Provisions fro amendments.

UNIT-IV Registration under GST: Procedure for registration, Persons liable for registration, Persons not liable for registration, Compulsory registration. Exempted goods and services - Rates of GST.

Procedure relating to Levy: (CGST & SGST): Scope of supply, Tax liability on Mixed and Composite supply, Time of supply of goods and services, Value of taxable supply.

Eway-Billing

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B.COM PART III (Code – 009)

OPTIONAL GROUP A (Finance Area)

TITLE OF PAPER - FINANCIAL MARKET OPERATIONS (009330)

PAPER – II

OBJECTIVE

This course aims at acquainting the students with the working of financial markets in India.

M.M. 75

UNIT-I Money Market: Indian money market's composition and structure; (a) Acceptance houses, (b) Discount houses and (c) Call money market; Recent trends in Indianmoney market.

UNIT-II Capital Market: Security market - (a) New issue market, (b) Secondary market;
Functions and role of stock exchange; listing procedure and legal requirements; Public issue - pricing and marketing; Stock exchanges - National Stock Exchange, Bombay stock exchange

UNIT-III Securities contract and Regulations Act: Main provgisions.Investors Protection: Grievancesconcerning stock exchange dealings and theirremoval; Grievance cells in stock exchanges; SEBI; Company Law Board; Press;
Rmedy through courts.

UNIT-IV Functionaries on Stock Exchanges: Brokers, sub brokers, market makers, jobbers, portfolio consultants, institutional investors, and NRIs.

UNIT-V Financial Services: Marchant banking - Functions and roles; SEBI guide-lines; Creditrating - concept, functions, and types.

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B.ED. SYLLABUS (SEMESTER I) (Code -149)

PAPER - III: PEDAGOGICAL STUDIES (PART I)

PEDAGOGY OF BIOLOGICAL SCIENCE (PART I) (149104)

TOTAL MARKS: 80

COURSE OBJECTIVES:

After Completion of Course the Students will be able to-

(i) develop insight on the meaning and nature of biological science for determining aims and strategies of teaching-learning;

(ii) appreciate that science is a dynamic and expanding body of knowledge;

(iii) appreciate the fact that every child possesses curiosity about his/her natural surroundings;

(iv) identify and relate everyday experiences with learning biological science;

(v) appreciate various approaches of teaching-learning of biological science;

(vi) explore the process skills in science and role of laboratory in teaching-learning;

(vii) use effectively different activities/experiments/demonstrations/laboratory experiences for teaching-learning of biological science;

(viii) integrate the biological science knowledge with other school subjects;

(ix) analyse the contents of biological science with respect to its branches, process skills, knowledge organisation and other critical issues;

(x) develop process-oriented objectives based on the content themes/units;

(xi) identify the concepts of biological science that are alternatively conceptualised by teachers and students in general;

(xii) explore different ways of creating learning situations for different concepts of biological science;

(xiii) formulate meaningful inquiry episodes, problem-solving situations, investigatory and discovery learning projects based on upper primary, secondary and higher secondary stages, facilitate development of scientific attitudes in learners;

(xiv) examine different pedagogical issues in learning biological science;

(xv) construct appropriate assessment tools for evaluating learning of biological science;

(xvi) stimulate curriculum, inventiveness and creativity in biological science;

(xvii) develop ability to use biological science concepts for life skills; and

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(xviii) develop competencies for teaching-learning of biological science through different measures.

Course Outline (Part I)

Unit - I: Nature and Scope of Biological Science

Science as a domain of enquiry, dynamic body of knowledge and as a process of constructing knowledge; Biological Science for environment and health, peace, equity; History of biological science, its nature and knowledge of biological science independent of human application; Origin of life and evolution, biodiversity, observations and experiments in biological sciences; Interdisciplinary linkages, biological sciences and society.

Unit - II: Aims and Objectives of Biological Science

Developing scientific attitude and scientific temper; Nurture the natural curiosity, aesthetic senses and creativity in Biology; Acquire the skills to understand the methods and process that lead to exploration; Generalisation and validation of scientific knowledge in Biological Science; Relate Biology education to environment (natural environment, artifacts and people) and appreciate the issues at the interface of science, technology and society; Imbibe the values of honesty, integrity, cooperation, concern for life and preservation of environment; Solving problems of everyday life; Know the facts and principles of Biology and its applications consistent with the stages of cognitive development of learners; Specific objective of different content areas in Biology.

Unit - III: Exploring Learners

Motivating learner to bring his/her previous knowledge in Science/Biology gained through classroom/environment/parents and peer group; Cultivating in teacher-learner the habit of listening to child; Generating discussion, involving learners in teaching-learning process, encouraging learners to raise questions, appreciating dialogue amongst peer groups, encouraging learners to collect materials from local resources and to develop/fabricate suitable activities in Biological Science (individual or group work); Role of learners in negotiating and mediating learning in Biology.

Unit - IV: School Science Curriculum (Biological Science)

Trends in Science curriculum; Consideration in developing learner-centred curriculum in Biology; Analysis of textbooks and Biology syllabi of NCERT and States/UTs at upper primary, secondary and higher secondary stages; Analysis of other print and non-print materials in the area of Biological Science used in various states.

Unit - V: Approaches and Strategies of Learning Biological Science

Pedagogical shift from science as fixed body of knowledge to process constructing knowledge, scientific method- observation, enquiry, hypothesis, experimentation, data collection, generalisation (teacher-educator will illustrate taking examples from different stage-specific

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content areas keeping in mind the variation, e.g. structure and function, molecular aspects, interaction between living and non-living, biodiversity, etc.); Communication in Biological Sciences; Problem solving, investigatory approach, concept mapping, collaborative learning, and experiential learning in Biological Science (teacher-learner will design learning experiences using each of these approaches); Facilitating learners for self-study.

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Suggested Readings:

1. Modern Methods of Teaching Biology. Sarup Teaching Series, Sarup & Sons, New Delhi.

2. Bhaskara Rao, D. (2000): Teaching of Biology. Nagarjuna Publishers, G4.

3. Mohan, Radha (2004): Innovative Science Teaching. Prentice Hall of India, New Delhi.

4. New UNESCO Source Book for Science Teaching (1978). Oxford & IBH, New Delhi.

5. Sharma, R.C. & Shukla C.S. (2002): Modern Science Teaching. Dhanpat Rai Publishing Company, New Delhi.

6. Sood, K.J. (1989): New Directions in Science Teaching. Kohli Publishers, Chandigarh.

7. Vaidya, N. (1996): Science Teaching for the 21st Century. Deep & Deep Publications, New Delhi.

8. Gupta S.K. (1983): Technology of Science Education. Vikas Publishing House Pvt Ltd, Delhi.

9. www.wikipedia.com Chikara, M.S. and S. Sarma (1985): Teaching of Biology. Prakash Brothers, Ludhiana.

10. S.K. Mangal: Teaching of Biological Science.

11. Dr. Shoti Shivendra Chandra: Contemporary Science Teaching.

12. R.A. Yadav & Siddiqui: Teaching of Science.

13. Prof. S.K. Tyagi: Teaching of Biological Sciences.

14. Dr. A.K. Kulshrestha: Teaching of Biological Sciences.

15. All NCERT Science Text Books from Class IX to XII.

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B.ED. SYLLABUS (SEMESTER I) (Code - 149)

PAPER - III: PEDAGOGICAL STUDIES (PART I)

PEDAGOGY OF PHYSICAL SCIENCE (PART I) (49105)

TOTAL MARKS: 80

COURSE OBJECTIVES:

After completion of course the students will be able to-

(i) gain insight on the meaning and nature of physical science for determining aims and strategies of teaching-learning;

(ii) appreciate that science is a dynamic and expanding body of knowledge;

(iii) appreciate the fact that every child possesses curiosity about his/her natural surroundings;

(iv) identify and relate everyday experiences with learning physical science;

(v) appreciate various approaches of teaching-learning of physical science;

(vi) understand the process of science and role of laboratory in teaching-learning situations;

(vii) use effectively different activities/demonstrations/laboratory experiences for teaching-learning of physical science;

(viii) integrate physical science knowledge with other school subjects;

(ix) analyse the contents of physical science with respect to its branches, process, skills, knowledge organisation and other critical issues;

(x) develop process-oriented objectives based on the content themes/units;

(xi) identify the concepts of physical science that are alternatively conceptualised by teachers and students in general;

(xii) explore different ways of creating learning situations in learning different concepts of physical science;

(xiii) formulate meaningful enquiry episodes, problem-solving situations, investigatory and discovery learning projects based on upper primary, secondary and higher secondary school science/physics and chemistry;

(xiv) facilitate development of scientific attitudes in learners;

(xv) examine different pedagogical issues in learning physical science; and

(xvi) construct appropriate assessment tools for evaluating learning of physical science.

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Important: Various Concepts of Pedagogy of Physical Science listed in Units 1 to 10 (PART I & PART II) given below will be evolved around the concepts given at upper primary, secondary and higher secondary (Physics and Chemistry) Science syllabi.

Course Outline (Part I)

Unit - I: Nature of Science

Science as a domain of enquiry, as a dynamic and expanding body of knowledge; Science as a process of constructing knowledge; Science as interdisciplinary area of learning (Thermodynamics, Biomolecules, Surface Chemistry, etc.); Facts, concepts, principles, laws and theories- their characteristics in context of Physical Science (citing examples for each); Physical Science for environment, health, peace, equity; Physical Sciences and society; Contribution of eminent scientists- Isaac Newton, Dalton, Neils Bohr, De Broglie, J. C. Bose, C. V. Raman, Albert Einstein, etc.

Unit - II: Aims and Objectives of Physical Science

Developing scientific attitude and scientific temper, Nurture the natural curiosity, aesthetic senses and creativity in Science (secondary stage)/ Physics and Chemistry (higher secondary stage); Acquire the skills to understand the method and process of Science/Physical Science that lead to exploration, generation and validation of knowledge in Science/Physical Science; Relate Science/Physics and Chemistry education to the environment (natural environment, artifacts and people) and appreciate the issues at the interface of science, technology and society; Imbibe the values of honesty, integrity, cooperation, concern for life and preservation of environment, Solving problems of everyday life; Know the facts and principles of Science/Physics and Chemistry and its applications consistent with the stages of cognitive development of learners, (e.g. Mechanics, Heat, Electricity, Magnetism, Light, Acid, Bases and Salts, Thermodynamics, Metallurgy, Physical and Chemical Changes, Nature and States of Matter, etc.); Specific objective of different content areas in science/physics and chemistry.

Unit - III: Exploring Learners

Motivating learners to bring his/her previous knowledge gained in science/physics and chemistry through classroom/environment/parents and peer group; Cultivating in teacher-learner the habit of listening to child; Generating discussion, involving learners in teaching-learning process; Encouraging learners to raise questions, appreciating dialogue amongst peer group; Encouraging learners to collect materials from local resources (soil, water, etc.) and to develop/fabricate suitable activities in science/ physics and chemistry (individual or group work); Role of learners in negotiating and mediating learning in Science/Physical Science.

Unit - IV: School Science Curriculum (Physical Science)

Trends in Science curriculum; Consideration in developing learner-centred curriculum in Physical Science; Analysis of Science/Physics and Chemistry syllabi and textbooks of NCERT

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and States (at upper primary, secondary and higher secondary stage); Analysis of other print and non-print materials used in various states in the area of Physical Science.

Unit - V: Approaches and Strategies of Learning Physical Science

Pedagogical shift from Science as fixed body of knowledge to process of constructing knowledge, scientific method- observation, enquiry, hypothesis, experimentation, data collection, generalisation (teacher-educator will illustrate each taking examples from specific contents of Science/Physics and Chemistry, such as Solutions, Colloids, Chemical Equilibrium, Electrochemistry, Mechanical and Thermal Properties of Matter, Reflection, Refraction, Wave Optics etc.); Communication in Science/Physical Science, Problem solving, investigatory approach, concept mapping, collaborating learning and experiential learning in Science/Physics and Chemistry (teacher-learner will design learning experiences using each of these approaches), facilitating learners for self-study.

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Suggested Readings:

1. Mohan, Radha (2004): Innovative Science Teaching. Prentice Hall of India, New Delhi.

2. New UNESCO Source Book for Science Teaching (1978). Oxford & IBH, New Delhi.

3. Sharma, R.C. & Shukla C.S. (2002): Modern Science Teaching. Dhanpat Rai Publishing Company, New Delhi.

4. Sood, K.J. (1989): New Directions in Science Teaching. Kohli Publishers, Chandigarh.

5. Vaidya, N. (1996): Science Teaching for the 21st Century. Deep & Deep Publications, New Delhi.

6. Gupta S.K. (1983): Technology of Science Education. Vikas Publishing House Pvt Ltd, Delhi.

7. Dr. Shoti Shivendra Chandra: Contemporary Science Teaching.

8. R.A. Yadav & Siddiqui: Teaching of Science.

9. All NCERT Science Text Books from class IX to XII.

10. S.K. Mangal: Teaching of Physical Science.

11. Prof. S.K. Tyagi: Teaching of Physical Sciences.

12. Dr. A.K. Kulshrestha: Teaching of Physical Sciences.

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B.ED. SYLLABUS (SEMESTER III) (Code-151)

PAPER - VIII: PEDAGOGICAL STUDIES (PART II)

PEDAGOGY OF BIOLOGICAL SCIENCE (PART II) (151301)

TOTAL MARKS: 80

Course Outline (Part II)

Unit - VI: Planning for Teaching-Learning of Biological Science

Identification and organisation of concepts for teaching-learning of Biology; Determining acceptable evidences that show learners' understanding; Instructional materials required for planning teaching-learning of Biological Science and learners' participation in developing them; Identifying and designing teaching-learning experiences; Planning and organizing- field visits, field observation and preparation of field diary, Zoo, Sea shore life, Botanical garden, etc.; Organising activities, laboratory experiences, making groups, planning ICT applications in learning Biology and its use in Biological Science.

Unit - VII: Learning Resources in Biological Science

Identification and use of learning resources in Biological Science from immediate environmental, exploring alternative sources; Developing Science kit and Biological Science laboratory; Designing Biology laboratory; Collection of materials, etc.; Textbooks, audio-visual materials, multimedia-selection and designing; Using community resources for Biology learning; Pooling of learning resources in school complex/block/ district level; Handling hurdles in utilisation of resources.

Unit - VIII: Tools and Techniques of Assessment for Learning Biological Science

Performance-based assessment; Developing indicators for performance assessment in biological sciences; Learners' record of observations- Field diary, herbarium and collection of materials; Oral presentation of learners work in Biological Science, Portfolio; Assessment of project work in Biology (both in the laboratory and in the field), Assessment of participation in collaborative learning; Construction of test items (open-ended and structured) in Biological Science and administration of tests; Developing assessment framework in Biological Science; Assessment of experimental work in Biological Science; Exploring content areas in Biological Science not assessed in formal examination system and their evaluation through various curricular channels; Encouraging teacher-learners to examine a variety of methods of assessments in Biological Science; Continuous and comprehensive evaluation.

Unit - IX: Biological Science- Lifelong Learning

Nurturing natural curiosity of observation and drawing conclusion; Facilitating learning progress of learners with various needs in Biology; Ensuring equal partnership of learners with special needs; Stimulating creativity and inventiveness in Biology; Organising various curricular

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activities, such as debate, discussion, drama, poster making on issues related to Science/Biology; Organising events on specific day, such as Earth Day, Environment Day, etc.; Planning and organizing- Science club, Science exhibition; Nurturing creative talent at local level and exploring linkage with district/state/central agencies.

Unit - X: Professional Development of Biology Teacher

Professional development programmes for Science/Biology teachers; Participation in seminar, conferences, online sharing membership of professional organisation; Teachers as a community of learners; Collaboration of school with colleges, universities and other institutions; Journals and other resource materials in biology education; Role of reflective practices in professional development of Biology teachers; Visit to science park, science centre, National Laboratories etc.; Teacher as a researcher: Learning to understand how children learn science action research in Biological Science.

NOTE: Refer to the suggested readings that have been given at the end of Paper III: Pedagogy of Biological Science (Part I) in B.Ed. Syllabus (Semester I).

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B.ED. SYLLABUS (SEMESTER III) (Code - 151)

PAPER - VIII: PEDAGOGICAL STUDIES (PART II)

PEDAGOGY OF PHYSICAL SCIENCE (PART II) (151302)

TOTAL MARKS: 80

Course Outline (Part II)

Unit - VI: Learning Resources in Physical Science

Identification and use of learning resources in Physical Science from immediate environment (e.g. Natural pH Indicators, Soaps and Detergents, Baking Soda, Washing Soda, Common Salts, Fruits, Fiber, Pulleys, Projectiles, Lenses and Mirrors, Inter-conversion of one form of energy to other, Propagation of waves in Solid, Liquid and Gas etc.), exploring alternative sources; Improvisation of apparatus developing Science kit and laboratory in Science (secondary stage), Physics and Chemistry (higher secondary stage); Designing laboratories, textbooks, audio-visual materials; Multimedia–selection and designing; Use of ICT experiences in learning Science/Physics and Chemistry; Using community resources for learning Science/Physics and Chemistry; Pooling of learning resources in school complex/block/district level, handling hurdles in utilisation of resources.

Unit - VII: Tools and Techniques of Assessment for Learning Physical Science

Performance-based assessment, developing indicators for performance-based assessment in Science/Physical Science, learners' records of observations, field diary; Oral presentation of learners work, Portfolio; Assessment of project work in Science/Physical Science; Assessment of participation in collaborative learning; Construction of test items in Science/Physical Science and administration of tests; Developing assessment framework in Science/Physics and Chemistry; Assessment of experimental work in Science/Physics and Chemistry; Exploring content areas in Physical Science not assessed in formal examination system and their evaluation through various curricular channels; Encouraging teacher-learners to examine variety of methods of assessments in Science/Physical Science; Continuous and comprehensive evaluation–appreciating evaluation as ongoing teaching-learning process and through overall performance of child.

Unit - VIII: Planning for Teaching-Learning of Physical Science

Identification and organisation of concepts for teaching-learning of Science/Physics and Chemistry (on different topics, such as Motion, Work and Energy, Matter and their Measurements, Carbon and its Compounds, Periodic Properties of Elements, Atomic Structure, dual nature of Matter and Radiation, etc. & developing them); Identifying and designing teaching-learning experiences; Organising activities, laboratory experiences, making groups; Planning ICT applications in learning Science/Physics and Chemistry.

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Unit - IX: Physical **Science- Lifelong Learning**

Every child has natural curiosity of observation and drawing conclusion; Identification and application of physical and chemical phenomenon in day-to-day life and human welfare, facilitating learning progress of learners with various needs in Science/Physics and Chemistry; Ensuring equal partnership of learners with special needs; Stimulating creativity and inventiveness in Science; Organising various curricular activities, such as debate, discussion, drama, poster making on issues related to Science/Physics and Chemistry; Organising events on specific day, such as Science Day, Environment Day, etc.; Planning and organising field experiences , Science club, Science exhibition, nurturing creative talent at local level and exploring linkage with district/state/central agencies.

Unit - X: Professional **Development of Science/Physics/Chemistry Teachers**

Professional development programmes for Science/Physics and Chemistry teachers; Participation in seminar, conferences, online sharing, membership of professional organisations; Teachers as a community of learners, collaboration of schools with universities; Journals and other resource materials in Science/Physical Science education; Role of reflective practices in professional development of Physics and Chemistry teachers; Field visit to industries, mines, refineries; National Laboratories, power stations, Science centres, etc.; Teacher as a researcher: Learning to understand how children learn Science- action research in Physical Science.

NOTE: Refer to the suggested readings that have been given at the end of Paper III: Pedagogy of Physical Science (Part I) in B.Ed. Syllabus (Semester I).

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B.ED. SYLLABUS (SEMESTER IV) (code-152)

CONTEMPORARY STUDIES

PAPER - X: GENDER, SCHOOL AND SOCIETY (152401)

TOTAL MARKS: 80

COURSE OBJECTIVES:

(i) Understanding the role of culture (apart from biology) as determinants of gender distinction in social living;

(ii) Awareness of factors that shape gendered roles in Indian society;

(iii) Understand the problems of girl child education in our society;

(iv) Developing a critical perspective on gender-based discrimination and its effects;

(v) To provide an introduction to and the development of an understanding of feminist approaches to the social and cultural construction of gender;

(vi) To develop a critical understanding of intersectionality, including an awareness of gender and its complex intersections with other social and cultural categories, including but not limited to caste, tribe, class, sexuality and ability; and

(vii) To equip the teacher with the ability to create more meaningful and gender just experiences for her students.

Course Outline

Unit - I: Gender: Key Concepts- Social Construction of Gender

- Examining one's own growing up as a boy or a girl.
- Gender, sex, sexuality, patriarchy, masculinity and feminism.
- Gender bias, gender roles and stereotyping, and its consequences.
- Gender and other forms of inequality in relation with (caste, class, ethnicity, disability etc).
- Female sex ratio and child sex ratio.

Unit - II: Gender and Schooling

- Schooling of girls (literacy rate, dropout rate, completion rate, etc.) and reasons why girls are not able to complete schooling.
- Why do girls feel uncomfortable in schools?
- Can schools be different so that more girls can be educated?
- Gender bias in curriculum, textbooks, analysis of hidden curriculum.

- Critical examination of school and classroom processes- challenging gender biases and stereotypes.

- Understanding relationships within the school- child-child, teacher-child and teacher-peer group relationships from the perspective of gender.

- Feminization of teaching profession.

Unit - III: Gender and Sexuality

- Understanding sexuality (sexual orientation and sexual identity- third gender) and the relationship between power and sexuality.

- Violence against women- empirical examples of the graded violence against women, the impact of conflict and violence on the lives of women, efforts to deal with the issue of violence against women.

- Legal (sexual and reproductive) rights of women.

Unit - IV: Psychological and Sociological Perspectives

- Radical Feminist;

- Socialist-Feminist;

- Psychoanalytical and other perspectives;

- Recent debates.

Unit - V: Strategies for Change

- Policy and management.

- In the school.

- Women's action groups.

- Mass media.

Suggested themes for transaction of the content (Group discussions and review of case studies etc.)

(i) Telling our own 'gendered' stories.

(ii) En-culturing 'gendered' roles in upbringing within different kinds of families- case studies.

(iii) Gender issues in school education- case studies.

(iv) Gender issues manifest in contemporary public spaces- case studies.

(v) Responding to various forms of gender discrimination.

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(Code-152)

B.ED. SYLLABUS (SEMESTER IV) (Code 152)

PAPER - XII: ELECTIVE GROUP - II

XII (F) TEACHING OF VALUES (152413)

TOTAL MARKS: 80

COURSE OBJECTIVES:

(i) To understand the nature and sources of nature, and disvalues.
(ii) To understand the classification of values under different types.
(iii) To appreciate educational values like democratic, secular, and socialist.

Course Outline

Unit - I

- Nature and sources of values, biological, psychological, social and ecological determinants of values- their bearing on education in varying degrees.

Unit - II

- Classification of values into various types: Material, social, moral and spiritual values; status of values; how can these be realized through education.

Unit - III

- Corresponding to values there are evils or dis-values: Material, social, economic, moral and religious evils leading to faithlessness and irreverence; how can education overcome these negative values.

Unit - IV

- Levels of values realization, how to resolve the conflicts among values; how to work for the integration of values that are embedded in education.

- Development of values as a personal and life-long process-teaching of values as an integral part of education.

Unit - V

- Evaluating that teachers and other school personnel are value laden, students and parents are value laden, curriculum is value laden evaluate.

- Value of self-sacrifice vs value of self-centredness.

- Values of excellence vs values of ego-centralism.

- Values of work vs values of selfishness.

- Every teacher or all teachers need to teach values.

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B.B.A. (VI Sem)
(Code -26)

Business Ethics and Social Responsibility (130) (262604)

Unit – I

Objective of Business Attitudes, Beliefs and value Principal of Business Ethics

Unit-II

Social Responsibilities of Business concept, Rational Dimensions and Tools of Social Responsibilities, social Responsibility and Social Responsiveness.

Unit – III

Ethics in Managing Ethical Theories, Enterprise Mission, Institutionalizing Ethics Code of ethics and its implementation.

Unit-IV

Social Audit-Evaluation of concept, Objectives; Needs, Features, Benefits, Approaches to Social Audit.

Unit-V

Social Responsibilities of Indian Businessmen/Managers-Towards Shareholders, Consumers, Government, Community, Etc. Cases.

References:

1. Patyrick J.A. & Quinn (J) F. Management Ethics, Response
2. Sherlekar,Ethics in Management Himalaya
3. R.C. Sekhar Ethical Choices in Bussness Response, New Delhi 1998.
4. Peter F. Drucker – Management Tasks, Responsibilities and Practices.
5. Report of Study Group of the Calcutta Seminar on Social Responsibility of Business Oxford and IBH Publishing Co. New Delhi

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B.B.A – IInd Sem
(Code-258)

Environmental Studies (110) (258205)

Course Objective:

The objective of this paper is to familiarize the student with the multidisciplinary environmental issues and to develop public awareness for it.

Course Contents:

Unit – I

1) Nature of environmental studies: Definition, scope, importance, need for public awareness.

2) Natural Resources: Renewable and non- renewable resources. Natural Resources and associated problem:

Role of an individual in conservation of natural resources.

Unit – II

*Ecosystems: concepts, structure, function, produces, consumers, decomposers; food chains and webs and ecological pyramids.

***Introduction, types characteristic features, structure and function of forest, grassland, desert and aquatic (ponds, stream, lakes, rivers) ecosystems. Unit – III**

Bio-diversity and its conservation: Introduction - Definition: genetic, species and ecosystem diversity; Biographical classification of India; threats and conservation of biodiversity.

Unit - IV

*Environmental pollution: Definition, causes, effects and control measures of air, water, soil, marine, noise, thermal pollution and nuclear hazards.

*Solid waste management: causes, effects and control measures of urban and industrial waste.

*Disaster management: floods, earthquake, cyclone and landslides.

Unit - V

Social issues and environment: Urban problems related to energy ; water conservation, rain-water harvesting; resettlement and rehabilitation of people, environmental ethics; climate change , global warming, acid rain , ozone layer depletion , nuclear accidents; Environment Protection Act ; Role of Information Technology in Environmental and human health.

References

1. Agarwal K.C. 2001. Environmental Biology, Nidi pub . Ltd. Bikaner.
2. Bharucha Erach , the Biodiversity of India , Mapin Pub . Pvt. Ltd., Ahmedabad.
3. Dr.R.A.Sharma,Environment Education ,Lal Book Depot, Meerut

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PGDPGC

PAPER – I

PSYCHOLOGICAL GUIDANCE

100 Marks

This paper has five units. At least two questions are to be set from each unit candidate is required to attempt five questions in all selecting one question from each unit.

UNIT – I

The Guidance

(a) Meaning and Functions of guidance. The basis of present guidance, approach, Basic Principle and assumption of guidance.

(b) Guidance services.

(c) Difference between Guidance and Counselling.

UNIT – II

Techniques of Guidance

(a) Understanding Individual: Use of interviews and questionnaires.

(b) Appraisals of Aptitude for guidance: Appraisal of personal qualities and interest: test and inventories rating scale, behavior descriptions. Anecdotal records. Socio- metric devices, evaluation of achievement, Cumulative Records, Case study and follow-up.

UNIT – III

Organization of guidance programme

(a) Organization of guidance programme in school.
(b) Problems of guidance in India.
(c) Typesof guidance services, characteristics of a well-organized guidance programme.

UNIT – IV

Guidance Services- Children. Adolescents

(a) Guidance Services for children.
(b) Elementary School Children, Junior high school children.
(c) Adolescents.

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UNIT – V

Guidance services- Adults

(a) Guidance Services to adults, vocational guidance. Guidance of adults.
(b) Guidance towards family life, guidance in personal adjustment, guidance to deviates.
(c) Guidance in group.
(d) Situation appraisals of guidance programmes.
(e) Emerging Trends in guidance.

BOOK RECOMMENDED:

1. Traxler. E. Arthur and North D Robert (1996). Technique of Guidance IIIrd Edition Halper & Row, Publishers New York and London.
2. Crow, L. and Crow, A. (1962), an Introduction to Guidance IInd Ed. Eurasia Publishing House (P) Ltd.
3. Asch. M. (2000) Principals of Guidance and counselling 1st Ed. Sarun & sons New Delhi.
4. Jones, J. Arthur, eta (1952), Principal of Guidance 6th Edl Tata McGraw Hill Publishing Company.
5. Gupta S.K. (1985), Guidance and counselling in India education 1st Ed. Mittal Publishers Trinagar Delhi.

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PGDPGC

PAPER – II

COUNSELLING THEORIES AND TECHNIQUES

100 Marks

This paper has five units. At least two questions are to be set from each unit candidate is required to attempt five questions in all selecting one question from each unit.

UNIT – I

COUNSELLING: The art and Science of helping.

(a) Meaning, Purpose and goals of Counselling with special reference to India.
(b) Professional issues, ethics, education and training of the counsellor.
(c) Counselling relationship.

UNIT – II

COUNSELLING PROCESS: Theories and Techniques of Counselling.

(a) Psychodynamic Approach, Freudian, Neo Freudian, Modern, Transactional analysis.
(b) Humanistic Approach: Existential, client centered.

UNIT – III

COUNSELLING PROCESS: Theories and Techniques of Counselling.

(a) Cognitive Approach: Rational emotive behavior therapy (REBT), Cognitive behavioral therapy (CBT), Dialectical behavior therapy (DBT)
(b) Behavioral Approach: Classical Conditioning, Operant Conditioning and Behavior Modification.
(c) Indian contribution – Yoga and Meditation.

UNIT – IV

COUNSELLING FOR MENTAL DISORDERS

(a) Cognitive disorders
(b) Mood disorders
(c) Substance use disorder
(d) Neurotic disorders
(e) Personality disorders.

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UNIT – V

COUNSELLING APPLICATION

(a) Family therapy
(b) Career counseling
(c) Crisis intervention
(d) Old age counseling
(e) Psychoeducation
(f) Social skill therapy
(g) Group counselling

Book Recommended:-

1. Windy, D. (1988) (Ed.) Counselling in Action New York; Sage Publication.
2. Nelson, J. (1982) The theory and practice of counselling Psychology. New York. Renehart and Winston.
3. Belkin, G.S. (1988) Introduction to counselling. W.G. Brown Publishers.

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PGD PGC

PAPER – III

Marks: 100

FIELD EXPLORATION & PROJECT WORK (INTERNSHIP PROGRAMME)

A. INTERNSHIP PROGRAMME: 70 MARKS.

The Internship Programme consists of two phases, about 30 days each. The students would be attached to the institute/organization for a period of about two months. During this period they have to explore and identify the problem for investigation, and prepare Study-report (case) under the guidance of the Supervisor (faculty member). This report would carry 70 marks and would be evaluated by both internal and external examiner, each examiner awarding marks out of 35, as per university rules.

B. INTERNSHIP EVALUATION: 30 MARKS.

(a) Presentation of the report in the departmental Seminar	–	20 Marks.
(b) Attendance for the programme certified by the supervisor	–	10 Marks

PAPER – IV
Lab Practical

100 Marks

1. Construction of guidance tools related to the area of specialization – 30 marks
2. Psychological Testing – Candidates would be required to administer, score and interpret at least 10 Psychological tests, 50 marks.
3. Practical Record book – 10 marks.
4. Viva – Voce – 10 marks.

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M.Sc.(chem)
Sem-IV
(Code-208)

18.1 - P.G. Courses

PAPER NO. CH – 22

ENVIRONMENTAL & APPLIED CHEMICAL ANALYSIS

(Paper code – 208404)

Max. Marks 80

UNIT –I

AIR POLLUTION MONITORING AND ANALYSIS

Classification of air pollution monitoring levels, air quality, standards and index, monitoring and analysis of selected air borne pollutants: SO_2, NO_x, SPM, Volatile organic compounds, Pb, CO_2, Persistent organic compounds, Hg, carbon and ozone. Air pollution control devices Viz ESP, scrubber technique, baghouse filters etc. Atmospheric chemistry of acid rains, photochemical smog, greenhouse effect, global warming, ozone hole.

UNIT –II

SOIL AND WATER POLLUTION

Soil and water quality standards, monitoring and analysis of selected soil and water contaminants: COD, pesticides, heavy metals, POP's, fluoride, cynide, nitrate, phosphate, oil & greese, Geobiochemical impact of municipal solid waste, steel plants effluent, domestic sewage. Control devices of water pollutants.

UNIT –III

FOOD ANALYSIS

1. Introduction to general constituents of food- Proximate Constituents and their analysis, Additives- Introduction, types, study of preservatives colors and antioxidants and methods of estimation, adulteration - Introduction, types, test for adulterants.
2. Introduction of standards composition and analysis of following foods: Wheat, Bread, Biscuits, Jam, Jelly, Honey, Milk, Ice Cream, Butter, Cheese, Milk Powder, Oils and Fats, Tea, Coffee, Soft drinks, Alcoholic beverages, Cereal and pulses, Confectionery, Fruits, Vegetables, Egg, Fish, Meat.

UNIT –IV

COSMETICS, CLINICAL AND DRUG ANALYSIS

A. Introduction of Cosmetics, evaluation of cosmetics materials, raw material and additives, Cosmetics colors, Perfumes in cosmetics, Cosmetics formulating, introduction, standards and methods of analysis- Creams, Face powders, Make-up, Shaving preparations, Bath preparations.

B. Concepts and principles of analytical methods commonly used in the clinical species: i.e. ammonia, Nitrogen, Ca, Cl, CO_2, Fe, K, Li, Mg, Na, P, urea, glucose.

Method for analysis of proteins (i.e. albumin, bilirubin, creatinine, cholesterol, HDL-cholesterol, triglycerides) and Enzymes (i.e. Alanine Aminotransferase, acid phosphatase, alkaline phosphatase, amylase, aspartate, aminotransferase, cholinesterase, lactate, and lipase).

8/1/2019 Divastava 8/1/2019 Neelu

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.Sc. (Bot) (Code -215)

M.Sc. SEMESTER - III (Code -215)

PAPER - II
PLANT ECOLOGY- I (215302)

(ECOSYSTEM AND VEGETATION ECOLOGY)

MAX.MARKS-80

UNIT-I

ECOSYSTEM ORGANISATION:- Structure and functions, primary production (Methods of measurement, global pattern, controlling factors), Energy dynamics (trophic organization, energy flow pathways, ecological efficiencies), Litter fall and decomposition, (mechanism, substrate quality, and climatic factors), global biogeochemical cycles of C, N, P, and S, mineral cycles (pathways, processes and budgets) in terrestrial and aquatic ecosystems.

UNIT-II

ECOSYSTEM STABILITY AND MANAGEMENT

Concept (resistance and resilience), Ecological perturbations (natural and anthropogenic) and their impact on plants and ecosystems, ecology of plant invasion, environment impact assessment, ecosystem restorations. Concept of Sustainable development, sustainability indicators.

UNIT-III

VEGETATION ORGANISATION:-

Concepts of community and continuum, analysis of communities (analytical and synthetic characters), Community coefficients, inter specific associations, ordination, and concept of ecological niche.

UNIT-IV

VEGETATION DEVELOPMENT :-

Temporal changes (cyclic and non cyclic), mechanism of ecological succession (relay floristic and initial floristic composition, facilitation, tolerance and inhibition models), change in ecosystem properties during succession.

REFERENCE BOOKS :

Smith, R.L. 1996. Ecology and field biology, Harper Collins, New York.
Odum, E.P. 1971. Fundamentals of Ecology, Saunders, Philadelphia.
Odum, E.P. 1983. Basic ecology, Saunders, Philadelphia.
Kormondy, E.J. 1996. Concepts of Ecology, Prentice Hall of India Pvt.Ltd. New Delhi.
Moldan, B. and Billharz, S. 1997 Sustainability indicators, John Wiley and Sons, New York.

PRINCIPAL
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RUABANDHA, BHILAI (C.G.)

M.Sc. (Bot) (Code -2/6)

M.Sc. SEMESTER - IV (Code -2/6)
PAPER - II
POLLUTION AND BIODIVERSITY CONSERVATION
(Paper Code - 216402) **MAX.MARKS-80**

UNIT-I

CLIMATE, SOIL AND VEGETATION PATTERNS OF THE WORLD :
Life zones, major biomes, major vegetation types and soil types of the world, barren land.

UNIT-II
POLLUTION, CLIMATE CHANGE AND ECOSYSTEMS :
Air, water and soil pollution:- kinds, sources, quality parameters, effects on plants and ecosystem. Green house gases (Caron dioxide, methane, nitrous oxide, Chloro florocarbons: sources, trends and role), ozone layer, ozone hole, consequences of climate change) Carbon dioxide fertilization, global warming, seal level rise, UV radiation).

UNIT-III
BIOLOGICAL DIVERSITY :- Concepts and levels, status in India, Utilization and concerns, role of biodiversity in ecosystem functions and stability, speciation and extinction, IUCN categories of threat, distribution and global patterns, terrestrial biodiversity hot spots, inventory.

World centers of primary diversity of domesticated plants; The Indo Burmese center, plant introductions and secondary centers.

UNIT-IV
CONSERVATION STRATEGIES
Principles of conservation, extinctions, environmental status of plants based on International union for conservation of Nature.
In situ conservation, International efforts and Indian initiatives, protected areas in India- sanctuaries, national parks, biosphere reserves, Wetlands, Mangroves and coral reefs for conservation of wild biodiversity.
Ex situ conservation : Principles and practices, botanical gardens, field gene bank, seed banks, in vitro repositories, cryo banks, general account of the activities of Botanical survey of India (BSI), National Bureau of plant genetic resources (NBPGR), Indian council of Agriculture research (ICAR), Council of scientific and Industrial research (CSIR), and the department of Biotechnology (DBT) for conservation and non formal conservation efforts.

PRINCIPAL
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M. Sc. Microbiology (Course Code -227)

THIRD SEMESTER (227302)

PAPER III: ENVIRONMENTAL MICROBIOLOGY Max. Mark 80

(There will be 5 questions of equal marks. First question will be based on complete syllabus with no internal choice, whereas rest questions will be unit wise).

UNIT - I

Distribution and ecology of microorganism: airspora- concepts and components, indoor and outdoor air spora, aeroallergens, Ecosystem- concept, components, food chains, food webs, and trophic levels. Energy transfer efficiencies between trophic levels. Environmental factors influencing the growth and survival of microorganism. Physical factors- temperature, light, osmotic pressure and hydrostatic pressure. Chemical factors- pH, O_2 and CO_2. Microorganisms of extreme environments: Psychrophiles, Mesophiles, thermophiles, acidophiles, alkalophiles, halophiles and specific habitats.

UNIT - II

Microbiology of water: aquatic ecosystems-types- fresh water (ponds, lakes, streams) - marine (estuaries, mangroves, deep sea, hydrothermal vent, saltpans, coral reefs). Zonation of water ecosystems– upwelling- eutrophication- food chain. Drinking and potable water, ecology of polluted water, microbiological treatment processes. Waste water disposal and reclamation. Brief account of major water borne diseases and their control measures.

UNIT – III

Soil microbiology: Micro flora of various soil types (bacteria and nematodes): rhizosphere- phyllosphere – brief account of microbial interactions symbiosis, mutualism, commensalism, competition, amensalism, synergism, parasitism, predation, biological N_2 fixing organisms, symbiotic fungi, Phosphate solubilizing organisms, Ecology of litter decomposition; extracellular enzymes (hydrolases), heterotrophic potential

UNIT -IV

Biodegradation of Cellulose , Lignins and hydrocarbons (superbug). Composting, treatment of solid wastes. Bioaccumulation of metals. Biodeterioration: classification of Biodeterioration of materials (monuments, paints, rubbers, plastics, fuels, lubricants, metals, stone, cosmetics, toiletries). GMO and

Lab Course:

1. BOD & COD estimation in water sample
2. Study of microbial contaminants from water and wastewater.
3. Study of air borne microorganisms using various methods.
4. Assay of anti-fungal and antibacterial properties of agro-chemicals and fungicides.
5. Assessment of quality of oils using saponification value, iodine number, and free fatty acid composition.
6. Study of thermophilic microorganisms.
7. Bacteriological examination of water by multiple-tube fermentation test.
8. Determination of coliforms to determine water purity using membrane filter method.
9. Lipase production test.
10. Isolation of Rhizobium from root nodule.
11. Measurement of spore size using micrometry
12. Isolation of microorganisms from rhizosphere and phylloplane.

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- Prescott & Dunn's. Microbiology. CBS Publishers & Distributors.
- Anantnarayan R and Panikar CKJ: Text book of Microbiology, Orient Blackswan Pvt. Ltd.
- Broude AI: Medical Microbiology and Infectious Diseases, WB Saunders Co.
- Chapel and Haeney: Essentials of Clinical Immunology, Blackwell Scientific Publications
- Forbes BA, Sahm DF and Weissfeld AS: Bailey & Scott's Diagnostic Microbiology, Mosby

M. Sc. Microbiology (Course Code - 228)

FOURTH SEMESTER

PAPER-I: MICROBIAL BIOTECHNOLOGY (228401) Max. Mark 80

(There will be 5 questions of equal marks. First question will be based on complete syllabus with no internal choice, whereas rest questions will be unit wise).

UNIT - I

Techniques of Microbial technology: Scope of genetic engineering, restriction and modification enzymes, ligation and transformation, agarose and polyacrylamide gel electrophoresis, Southern, northern, western blotting, polymerase chain reaction, DNA sequencing, cloning vectors- plasmids, bacteriophages, phagemids, cosmids. YAC, BAC.

UNIT - II

Basics of Genomics, RNA interference, Cloning strategies, cDNA synthesis and cloning, mRNA enrichment, DNA primers, linkers, adaptors and their synthesis, library construction and screening; Cloning interacting genes, two and three hybrid systems, cloning differentially expressed genes, nucleic acid microarrays; Site directed mutagenesis and protein engineering, immobilization techniques.

UNIT - III

Microbial screening, selection and strain improvement, bacterial enterotoxins, peptide hormone, interferons.
Biofertilizers, Biopesticides, , Enzyme in pulp and paper industry, Bioremediation.

UNIT - IV

Role of national and international organization in biotechnology, cooperative efforts, government programs for biotechnology development and applications, patenting biotechnological process and products in different fields, regulation for bio-hazardous products.

Lab Course:

1. Bacterial culture and antibiotic selection media. Preparation of competent cells.
2. Isolation of plasmid DNA.
3. Isolation of Lambda phage DNA.
4. Estimation of nucleic acids.
5. Agarose gel electrophoresis and restriction mapping of DNA.
6. Construction of restriction map of plasmid DNA.
7. Cloning in plasmid/phagemid vectors.
8. Preparation of single stranded DNA template.
9. Gene expression in *E. coli* and analysis of gene product
10. PCR

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Books Recommended:

- Atlas RM and Bartha R. (2000). Microbial Ecology: Fundamentals & Applications. 4th edition. Benjamin/Cummings Science Publishing, USA.
- Atlas RM. (1989). Microbiology: Fundamentals and Applications. 2nd Edition, MacMillan Publishing Company, New York.
- Madigan MT, Martinko JM and Parker J. (2009). Brock Biology of Microorganisms. 12th edition.

M. Sc. Microbiology (Course Code - 228)

FOURTH SEMESTER (228421)

Special Paper - PAPER-IV (A): AGRICULTURE MICROBIOLOGY Max. Mark 80

(There will be 5 questions of equal marks. First question will be based on complete syllabus with no internal choice, whereas rest questions will be unit wise).

UNIT- I

Structure and characteristic features of the following Biofertilizer organisms: Bacteria: Azospirillum, Azotobacter, Bacillus, Pseudomonas, Rhizobium and Frankia. Cyanobacteria: Anabaena, Nostoc, Fungi: Glomus, Gigaspora, Sclerocystis, Amanita, Laccaria.

Biofertilization processes - Decomposition of organic matter and soil fertility and vermicomposting. Mechanism of Phosphate Solubilization and phosphate Mobilization.

UNIT- II

Biofertilizers – biological nitrogen fixation – Nitrogenase enzyme – symbiotic nitrogen fixation- (Rhizobium, Frankia) – non symbiotic nitrogen fixation (Azotobacter - Azospirillum), VAM- ecto- endo-ectendo mycorrhizae and their importance in agriculture.

UNIT- III

Major Biogeochemical Cycles and the organisms: carbon – nitrogen - phosphorous and sulphur. Biopesticides: toxin from *Bacillus thuringiensis, Psuedomonas syringae.* Biological control - use of Baculovirus, protozoa and fungi.

UNIT- IV

Microbial diseases of crop plants: symptoms, causal organisms and control.
Fungal diseases (Late blight of potato, Tikka disease of groundnut, red rot of sugarcane).
Bacterial diseases (bacterial blight of rice, citrus canker, Tundu disease of wheat) and
Viral diseases (Tobacco mosaic, leaf curl of papaya, yellow vein mosaic of bhindi)..

Lab Course:

1. Isolation and enumeration of bacteria from different soil type.
2. Isolation and enumeration of fungi from different soil type
3. Preparation of Winogradsky Column to study the various soil microflora.
4. Isolation of Rhizobium from root nodules.
5. Isolation of Azotobacter from soil.
6. Isolation of Cyanobacteria from paddy field.
7. Measurement of pH of soil sample.

Books Recommended:

Bagyraj and Rangasamy: Agricultural Microbiology

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M.Sc. (Biotech) Hons

Biotechnology (Code – 231)
Semester III
Paper 12: Environmental Biotechnology (231304)
M.M. 80

Unit I

1. Environment: Basic concepts and issues.
2. Environmental Pollution: Types of pollution, Methods for the measurement of pollution, Methodology of environmental management — the problem solving approach, limitations.
3. Air pollution and its control through Biotechnology

Unit II

1. Water pollution and its control: Water as a scarce natural resource, sources of water pollution, Need for water management, Measurement of water pollution, waste watt collection, waste water treatment — physical, chemical and biological treatment processes
2. Microbiology of waste water treatments, aerobic process: Activated sludge, oxidation ditches, trickling filter, towers, rotating discs, rotating drums, oxidation ponds.
3. Anaerobic process: Anaerobic digestion, anaerobic filters, Up flow anaerobic sludge blanket reactors.

Unit III

1. Treatment schemes for waste waters of dairy, distillery, tannery, sugar, antibiotic industries. Bioremediation
2. Xenobiotics in Environment — Ecological considerations, oil pollution, surfactant pesticides.
3. Biodegradation of Cellulose, lignin and Hydrocarbon (Superbug).
4. GMO and their Impact.

Unit IV

1. Biopesticides in integrated pest management.
2. Solid wastes: Sources and management (composting, wormiculture and methar production).
3. Global Environmental Problems: Ozone depletion, UV — B, green house — effect and acid rain, their impact and biotechnological approaches for management.
4. Role of National organization in Biotechnology
5. IPR- Patent, Trademark copyright, GI, Breeder's Right, Trade secrets .

NOTE: Each theory paper will have five questions of equal marks. First question will be based on complete syllabus with no internal choice, whereas rest questions will be unit-wise.

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SYLLABUS

M.A. ENGLISH I SEMESTER – SESSION 2021-2022 (Course code - 109)

PAPER-I

POETRY-I (109101)

Unit-I	**Geoffrey Chaucer**	**: Prologue to the Canterbury Tales**	**- D**
	Edmund Spenser	**: Epithalamion**	**- ND**
Unit – II	**John Donne**	**: Death Be not Proud, Exstasie, Valediction: Forbidden Mourning**	**- D**
	Andrew Marvel	**: To His Coy Mistress, An Horation Ode Upon Cromwell's Return From Ireland, An Exortation**	**- ND**
Unit – III	**John Milton**	**: Paradise Lost, Book-I**	**- D**
Unit – IV	**John Dryden**	**: Mac Flecknoe**	**- ND**
	Alexander Pope	**: The Rape of the Lock**	**- D**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

1. The Paper is divided into four units and each unit is compulsory.
2. Question I will consist of 8 passages for explanation with reference to the context from the texts prescribed for detailed study, out of which 4 are to be attempted. Each annotation will carry 4 marks. (4x4 = 16)
3. Candidates will answer four other questions from Unit-I to Unit-IV, carrying 16 marks each.
4. From each Unit questions shall be asked in either of the following pattern:
   a) From each Unit two descriptive questions; one from each author shall be asked.
   b) Instead of one descriptive question two short answer type questions from an author (carrying 8 marks each) may also be asked.

   The candidate shall be required to attempt either one essay type question or two short notes.
5. Essay type questions should not exceed 400 words and will carry 16 marks and short notes should be within the limit of 200 words and will carry 8 marks.
6. All questions carry equal marks. (5x16 = 80)

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SYLLABUS

M.A. ENGLISH I SEMESTER – SESSION 2021-2022 (Course Code - 109)

PAPER-II DRAMA-I (109/02)

Unit-I	**Christopher Marlowe**	**: The Tragical History of Dr. Faustus**	**- D**
	Ben Johnson	**: The Alchemist**	**- ND**
Unit-II	**John Webster**	**: The Duchess of Malfi**	**- D**
	William Shakespeare	**: Macbeth**	**- ND**
Unit-III	**William Shakespeare**	**: Hamlet**	**- D**
Unit-IV	**William Shakespeare**	**: Tempest**	**- D**
	William Shakespeare	**: As You Like It**	**- ND**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

1. The Paper is divided into four units and each unit is compulsory.
2. Question I will consist of 8 passages for explanation with reference to the context from the texts prescribed for detailed study, out of which 4 are to be attempted. Each annotation will carry 4 marks. (4x4 = 16)
3. Candidates will answer four other questions from Unit-I to Unit-IV, carrying 16 marks each.
4. From each Unit questions shall be asked in either of the following pattern:
   a) From each Unit two descriptive questions; one from each author shall be asked.
   b) Instead of one descriptive question two short answer type questions from an author (carrying 8 marks each) may also be asked.
   The candidate shall be required to attempt either one essay type question or two short notes.
5. Essay type questions should not exceed 400 words and will carry 16 marks and short notes should be within the limit of 200 words and will carry 8 marks.
6. All questions carry equal marks. (5x16 = 80)

Recommended Reading

1. A.C. Bradley : Shakespearean Tragedy
2. G. Wilson Knight : The Essential Shakespeare
3. Boas : Marlowe
4. Clough Douglas : Evil and Suffering in the Play
5. A.L. Williams (Ed.) : Twentieth Century Interpretations of the works of Marlowe
6. Nicoll : Theory of Drama
7. Marjouri Boulton : Anatomy of Drama
8. Compton-Rickett : History of English Literature
9. Wilson Knight : Wheels of Fire

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SYLLABUS

Course code (109)

M.A. ENGLISH I SEMESTER – SESSION 2021-2022

PAPER-III (109103)

PROSE-I

Unit-I	**Francis Bacon**	**: Of Studies, Of Truth, Of Revenge, Of Great Place**	**- D**
Unit-II	**Thomas Browne**	**: Urn Burial**	**- ND**
	John Milton	**: Areopagitica**	**- D**
Unit-III	**Addison & Steele**	**: Coverley Paper-** **Essay No. 1- The Spectator's Account of Himself** **Essay No. 110- On Ghost and Apparitions** **Essay No. 112- Sir Roger at Church** **Essay No. 117- On Witchcraft – Story of Moll White** **Essay No. 119- Rural Manners**	**- D**
	James Boswell	**: Life of Dr. Johnson**	**- ND**
Unit-IV	**Montaigne**	**: (Florio's Translation) Of Idlenesse, Of Readie or Slow Speech, That We Should not Judge of Our Happinesse until after Our Death**	**- ND**
	Rousseau	**: Confessions**	**- D**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

1. The Paper is divided into four units and each unit is compulsory.
2. Question I will consist of 8 passages for explanation with reference to the context from the texts prescribed for detailed study, out of which 4 are to be attempted. Each annotation will carry 4 marks. (4x4 = 16)
3. Candidates will answer four other questions from Unit-I to Unit-IV, carrying 16 marks each.
4. From each Unit questions shall be asked in either of the following pattern:
   a) From each Unit two descriptive questions; one from each author shall be asked.
   b) Instead of one descriptive question two short answer type questions from an author (carrying 8 marks each) may also be asked.

   The candidate shall be required to attempt either one essay type question or two short notes.
5. Essay type questions should not exceed 400 words and will carry 16 marks and short notes should be within the limit of 200 words and will carry 8 marks.
6. All questions carry equal marks. (5x16 = 80)

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SYLLABUS

M.A. ENGLISH I SEMESTER – SESSION 2021-2022 (Course code -109)
PAPER-IV
FICTION-I (109104)

Unit-I	**John Bunyan**	**: The Pilgrim's Progress**
	Daniel Defoe	**: Robinson Crusoe**
Unit-II	**Henry Fielding**	**: Joseph Andrews**
	Oliver Goldsmith	**: The Vicar of Wakefield**
Unit-III	**Sir Walter Scott**	**: Ivanhoe**
	Jane Austen	**: Pride & Prejudice**
Unit-IV	**Charles Dickens**	**: Great Expectations**
	Thomas Hardy	**: Tess of the D'Urvervilles**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

1. The Paper is divided into 4 units and each unit is compulsory.
2. Candidates shall answer 4 essay type questions from Unit I to IV, carrying 16 marks each.
3. The fifth question will comprise of 4 short notes (One from each Unit) out of which 2 are to be attempted.
4. Essay type answers should not exceed 400 words and will carry 16 marks, short notes should be within the limit of 200 words and will carry 8 marks. (8x2 = 16)
5. All questions shall carry equal marks. (16x5 = 80)

Recommended Reading

1.	M. Bruce	:	Representative English Novels
2.	K. Arnold	:	An Introduction to English Novel Vol. I & II
3.	Beach J. Warren	:	The Technique of Thomas Hardy
4.	Edwin Muir	:	The Structure of the Novel
5.	Walter Allen	:	The English Novel
6.	David Cecil	:	Hardy- The Novelist

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SYLLABUS

M.A. ENGLISH I SEMESTER – SESSION 2021-2022 (Course code - 109)

PAPER-V (109105)

The History of English Literature

Unit-I

The Age of Chaucer (1350-1400)

1. Development of Poetry in the Age of Chaucer
2. Development of Prose during the Age of Chaucer

The Age of Shakespeare (1558-1625)

3. The Renaissance and its influence on Elizabethan Literature
4. University wits and their contribution to the Pre-Shakespearean Drama
5. Elizabethan sonnets and sonneteers
6. Development of English Prose during the latter half of the 16th century

The Age of Milton (1625-1660)

7. The Puritan Movement in the Age of Milton
8. The Metaphysical Poetry and the poets
9. Cavalier poetry and the Cavalier poets
10. Development of Prose during the Age of Milton

Unit-II

The Restoration Period (1660-1700)

1. Social, Political and Literary tendencies of the Age.
2. Restoration Satire and Satirists
3. The comedy of manners and the dramatists of this school
4. English Novel in the latter half of the 17th Century

The Age of Pope (1700-1750)

5. 18th Century as an age of Prose & Reason
6. The growth of the 'Periodical Essays' and the causes of its popularity
7. 'Coverley Papers' as the first sketch of the English Novel.

The Age of Transition/The Age of Dr. Johnson (1750-1798)

8. Salient features of the Poetry of the 'Transitional Age'
9. The precursors of the 'Romantic Revival' or the poets of Revolt
10. The French Revolution and its influence on English literature
11. The 'Four Wheels' of the novel of the 18th Century

Unit-III

The Age of Romanticism (1798-1832)

1. Characteristics of 'Romanticism'
2. The Romantic Movement as 'The Renaissance of the Wonder'
3. Prose of the age of Romanticism
4. Novel of the age of Romanticism

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The Victorian Age (1832-1887)

1. Salient features of Victorian Poetry
2. The Spasmodic School of Poetry
3. The Pre-Raphaelite Movement in English Poetry and its chief exponents
4. The Oxford Movement
5. Victorian novels and the novelists
6. Women novelists and the Victorian Era

Unit-IV

The Modern Age/The Age of Interrogation (1890-1950)

1. General characteristics of the Age
2. Poetry;
    a. The Transitional poets (Robert Bridges, Hopkins, Yeats)
    b. The Georgian Poets
    c. The War Poets
    d. The Imagist Movement and its exponents
    e. The Neo-Metaphysical
3. The English Essays and the Essayists during the 20th Century
4. Drama in the 20th Century
    a. The Expressionistic School of Drama
    b. The Problem Play of the 20th Century
    c. The Poetic Drama and the Dramatists
    d. The Theatre of the Absurd
5. The Stream of Consciousness Novel

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

1. The Paper is divided into 4 units and each unit is compulsory.
2. Candidates shall answer 4 essay type questions from Unit I to IV, carrying 16 marks each.
3. The fifth question will comprise of 4 short notes (One from each Unit) out of which 2 are to be attempted.
4. Essay type answers should not exceed 400 words and will carry 16 marks, short notes should be within the limit of 200 words and will carry 8 marks. (8x2 = 16)
5. All questions shall carry equal marks. (16x5 = 80)

Recommended Reading

1. W.H. Husdon : An Outline History of English Literature
2. Compton-Rickett : A History of English Literature
3. Ifor Evans : A Short History of English Literature
4. Edward Albert : A Short History of English Literature
5. Emile Legouis : A Short History of English Literature

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SYLLABUS

M.A. ENGLISH II SEMESTER – SESSION 2021-2022 (Course Code 110 (1102017))

PAPER-I

POETRY-II

Unit-I	**Thomas Gray**	**: Elegy Written in a Country Churchyard - D**
	William Blake	**: The Lamb, The Chimney Sweeper - ND**
Unit – II	**William Wordsworth**	**: Immortality Ode, Titern Abbey - D**
	Samuel Taylor Coleridge	**: Kubla Khan,**
		The Rime of the Ancient Mariner - ND
Unit – III	**P.B. Shelley**	**: Adonais, Stanzas Written in Dejection - ND**
	John Keats	**: Ode to a Nightingale**
		Ode on a Grecian Urn
		Ode to Autumn -D
Unit – IV	**Alfred Tennyson**	**: Lotos Eaters, Ulysses - ND**
	Robert Browning	**: My Last Duchess, The Last Ride**
		Together, Prospice -D

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

1. The Paper is divided into four units and each unit is compulsory.
2. Question I will consist of 8 passages for explanation with reference to the context from the texts prescribed for detailed study, out of which 4 are to be attempted. Each annotation will carry 4 marks. (4x4 = 16)
3. Candidates will answer four other questions from Unit-I to Unit-IV, carrying 16 marks each.
4. From each Unit questions shall be asked in either of the following pattern:
   a) From each Unit two descriptive questions; one from each author shall be asked.
   b) Instead of one descriptive question two short answer type questions from an author (carrying 8 marks each) may also be asked.

   The candidate shall be required to attempt either one essay type question or two short notes.
5. Essay type questions should not exceed 400 words and will carry 16 marks and short notes should be within the limit of 200 words and will carry 8 marks.
6. All questions carry equal marks. (5x16 = 80)

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SYLLABUS

M.A. ENGLISH II SEMESTER – SESSION 2021-2022 (Course Code - 110)

PAPER-II

DRAMA-II (110202)

Unit-I	**W. Congreve**	**: The Way of the World**	**- ND**
	Oliver Goldsmith	**: She Stoops to Conquer**	**- D**
Unit-II	**J.M. Synge**	**: The Shadow of the Glen**	**- ND**
	G.B. Shaw	**: St. Joan**	**- D**
Unit-III	**Samuel Becket**	**: Waiting for Godot**	**- D**
	John Osborne	**: Look Back in Anger**	**- ND**
Unit-IV	**Ibsen**	**: A Doll's House**	**- D**
	Antony Chekov	**: The Cherry Orchard**	**- ND**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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5. Essay type questions should not exceed 400 words and will carry 16 marks and short notes should be within the limit of 200 words and will carry 8 marks.
6. All questions carry equal marks. (5x16 = 80)

Recommended Reading

1. J.L. Styon : Modern Drama in Theory and Practice
2. Nicoll : Theory of Drama
3. John Russell Browne : Modern British Dramatists: A Collection of Critical Essays
4. Martin Esslin : The Theater of the Absurd
5. Martin Esslin : Absurd Drama
6. Ibsen's Doll's House Special Introduction by Ezekiel

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SYLLABUS

M.A. ENGLISH II SEMESTER – SESSION 2021-2022 (Course code -110)

PAPER-III (110203)

PROSE-II

Unit-I	**Charles Lamb**	**: Dream Children, Imperfect Sympathies**	
		Dissertation upon a Roast Pig	**- D**
	William Hazlitt	**: On Going a Journey, On the Ignorance**	
		of the Learned	**- ND**
Unit-II	**Thomas Carlyle**	**: Hero as a Poet**	**- D**
	John Ruskin	**: Sesame & Lilies**	**- ND**
Unit-III	**Robert Lynd**	**: The Darkness, The Pleasure of Ignorance-**	**ND**
		(From "A Book of English Essays selected by	
		W.E. Williams", Penguin Books)	
	A.G. Gardiner	**: On Painted Face, On Smiles, On Saying "Please"-D**	
Unit-IV	**J.B. Priestley**	**: On Doing Nothing**	
		My First Article	
		Money For Nothing	**- ND**
	Aldous Huxley	**: Tragedy and the Whole Truth**	
		Selected Snobberies	**- D**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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6. All questions carry equal marks. (5x16 = 80)

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SYLLABUS

M.A. ENGLISH II SEMESTER – SESSION 2021-2022 (Course Code-110)

PAPER-IV (110204)

FICTION-II

Unit-I	**James Joyce**	**: Portrait of the Artist as a Young Man**
	Virginia Woolf	**: Mrs. Dalloway**
Unit-II	**D.H. Lawrence**	**: Sons & Lovers**
	E.M. Forster	**: A Passage to India**
Unit-III	**Graham Greene**	**: Power and the Glory**
	William Golding	**: The Lord of the Flies**
Unit-IV	**Gustave Flaubert**	**: Madam Bovary**
	Dostovesky	**: Crime and Punishment**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

1. The Paper is divided into 4 units and each unit is compulsory.
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3. The fifth question will comprise of 4 short notes (One from each Unit) out of which 2 are to be attempted.
4. Essay type answers should not exceed 400 words and will carry 16 marks, short notes should be within the limit of 200 words and will carry 8 marks. (8x2 = 16)
5. All questions shall carry equal marks. (16x5 = 80)

Recommended Reading

1.	Malcolm Bradburry	:	The Modern British Novel
2.	M. Bruce	:	Representative English Novels
3.	Casebook Series	:	D.H. Lawrence, E.M. Forster, Virginia Woolf
4.	J.W. Beach	:	Twentieth Century Novel
5.	E.A. Baker	:	The History of English Novel Vol. IX

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SYLLABUS

M.A. ENGLISH II SEMESTER – SESSION 2021-2022 (Course Code 110)

PAPER-V (110205)

Modernist Poetry

Unit-I	**G.M. Hopkins**	:	**Pied Beauty, Felix Randel, The Wind Hover, God's Grandeur**	**-ND**
	W.B. Yeats	:	**The Second Coming, Sailing to Byzantium, Easter 1916**	**-D**
Unit-II	**T.S. Eliot**	:	**The Waste Land**	**-D**
Unit-III	**W.H. Auden**	:	**The Shield of Achilles, September 1, 1937, Spain**	**-D**
	Dylan Thomas	:	**Fernhill, Do Not Go Gentle Into That Good Night, Death Shall Have No Domain**	**-ND**
Unit-IV	**Omar Khayyam**	:	**Rubaiyat (No. 7, 49, 51, 67, 69, 70, 73) (Translated by Edward Fitzgerald)**	**-ND**
	Kahlil Gibran	:	**The Prophet**	**-D**

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SYLLABUS

M.A. ENGLISH III SEMESTER – SESSION 2022-2023 (Course Code - 111)

PAPER-I

Critical Theory-I From Aristotle to Walter Pater (111301)

Unit-I	**Aristotle**	:	**Poetics (Classical European Theory)**
Unit-II	**Longinus**	:	**On the Sublime (Classical European Theory)**
	Philip Sidney	:	**An Apology for Poetry**
Unit-III	**William Wordsworth**	:	**Preface to Lyrical Ballads**
	S.T. Coleridge	:	**Biographia Literaria Ch. XIII to XVII**
Unit-IV	**Mathew Arnold**	:	**Essays in Criticism**
	Walter Pater	:	**Appreciations**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

1. The Paper is divided into 4 units and each unit is compulsory.
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Recommended Reading

1.	Brooks, Cleanth	:	Irony as a Principle of Structure
2.	Brooks, Cleanth	:	The Making of Literature
3.	Seldon, Roman (ed.)	:	The Theory of Criticism from Plato to the Present
4.	Dalton, John	:	From Literary Theory and Criticism, London, Longman Green & Co. 1931
5.	Eliot, T.S.	:	The Use of Poetry and the use of Criticism
6.	Daiches, David	:	Critical Approach to Literature (London, 1964)
7.	M.H. Abrams	:	The Mirror and the Lamp Romantic Theory and the Critical Tradition
8.	George Saintsbury	:	A History of Criticism & Literary taste in Europe
9.	Wimsatt W.K.	:	Literary Criticism Cleanth Brooks
10.	Butcher (ed.)	:	Aristotle's Poetics
11.	J.W.H. Atkins	:	English Literary Criticism 17th and 18th Centuries

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SYLLABUS

M.A. ENGLISH III SEMESTER – SESSION 2022-2023 (Course Code-111)

PAPER-II

Indian Writing in English-I (111302)

Unit-I	**Toru Dutt**	:	**Savitri, The Lotus, Our Casuarina Tree**	**-ND**
	Rabindranath Tagore	:	**Gitanjali (First Twenty Five Songs)**	**-D**
Unit-II	**Kamla Das**	:	**The Freaks, A Hot Noon in Malabar, The Looking Glass, The Sunshine Cat**	**-ND**
	Nissim Ezekiel	:	**Enterprise, Poet, Lover, Birdwatcher, Night of the Scorpion**	**-D**
Unit-III	**M.K. Gandhi**	:	**The Story of My Experiments with Truth**	**-D**
	J.L. Nehru	:	**Discovery of India (Last ten chapters)**	**-ND**
Unit-IV	**Mulk Raj Anand**	:	**Two Leaves and a Bud**	**-ND**
	R.K. Narayan	:	**The English Teacher**	**-D**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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6. All questions carry equal marks. (5x16 = 80)

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SYLLABUS

M.A. ENGLISH III SEMESTER – SESSION 2022-2023 (Course Code-111)

PAPER-III (111303)

American Literature-I

Unit-I	**Edgar Allen Poe**	**: Dream Land, The Raven**	**- ND**
	Walt Whitman	**: Song of Myself**	**- D**
Unit-II	**Emily Dickinson**	**: The Soul Selects Its Own Society**	**- D**
		Hope is the thing with Feathers,	
		I felt a Funeral in My Brain	
		After Great Pain a Formal Feeling Comes	
	Wallace Stevens	**: The Emperor of Ice-Cream,**	**- ND**
		Sunday Morning	
Unit-III	**Robert Frost**	**: Stopping by the Woods…..**	**- D**
		Birches, Departmental	
	Sylvia Plath	**: Daddy, Lady Lazarus,**	**-ND**
		The Bee Meeting	
Unit-IV	**Ralph Waldo Emerson**	**: Self-Reliance**	**-D**
	Henry David Thoreau	**: Civil Disobedience**	**-ND**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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Recommended Reading

1. Forester Norman : American Poetry and Prose V. 4
2. Cox, James M. (ed.) : Robert Frost : Twentieth Century Views.
3. Pearce, Roy Harvey : Whitman : Twentieth Century Views.
4. Barroff, Marie (ed.) : Wallace Stevens : 20th Century Views.

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SYLLABUS

M.A. ENGLISH III SEMESTER – SESSION 2022-2023 (Course code - 111)

PAPER-IV

Colonial & Post-Colonial Studies-I (111304)

Unit-I	**Leela Gandhi**	:	**Post-Colonial Theory (Post-colonialism & Feminism, The Limits of Post-colonial Theory)**
	Homi Bhabha	:	**The Other Question**
Unit-II	**Raja Rao**	:	**Kanthapura**
	Arun Joshi	:	**Foreigner**
Unit-III	**V.S. Naipaul**	:	**A House for Mr. Biswas**
	Arundhati Roy	:	**The God of Small Things**
Unit-IV	**Amitav Ghosh**	:	**The Glass Palace**
	Jhumpa Lahiri	:	**Namesake**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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Recommended Reading

1.	Appiah, K.A.	:	In My Father's House: Africa in the Philosophy of Culture
2.	Ashcroft, B., Griffiths, G., Tiffin	:	The Empire Writes Back
3.	Bhabha, H.	:	Literature, Politics & Theory
4.	Forster, E.M.	:	A Passage to India
5.	Fanon, F.	:	A Dying Colonialism
		:	Black Skin, White Masks
		:	The Wretched of the Earth

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SYLLABUS

M.A. ENGLISH IV SEMESTER – SESSION 2022-2023 (Course Code - 112)

PAPER-I

Critical Theory- II (112401)

Unit-I	**I.A. Richards**	:	**Communication and the Artist, Analysis of a Poem**
	T.S. Eliot	:	**Tradition and the Individual Talent**
Unit-II	**Bharata**	:	**Natyashastra (Rasa & Bhava Theory)**
	Anandavardhanacharya	:	**Dhvanyaloka (Dhvani Theory)**
Unit-II	**Saussure**	:	**Nature of the Linguistic Sign**
	Cleanth Brooks	:	**The Language of Paradox**
Unit-IV	**Sigmund Frued**	:	**Creative Writers and Daydreaming**
	Elaine Showalter	:	**Feminist Criticism in Wilderness**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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Recommended Reading

1. Sean Lucy : T.S. Eliot and the Idea of Tradition
2. J.P. Sen : The Progress of T.S. Eliot as Poet and Critic
3. Raman Selden : The Theory of Criticism from Plato to the Present: A Reader
4. David Lodge : Modern Criticism and Theory
5. Gayle & Green : Making a difference Feminist Literary Criticism
6. Dr. N.P. Unni : Natyashastra Vol. 1-4
7. V. Raghavan & Nagendra : An Introduction to Indian Poetics
8. Dr. Kapil Kapoor : Literary Theory: Indian Conceptual Frame-Work
9. V.S. Senturaman : Indian Aesthetics: An Introduction
10. G.N. Devy : Indian Literary Criticism

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SYLLABUS

M.A. ENGLISH IV SEMESTER – SESSION 2022-2023 (Course Code - 112)

PAPER-II

Indian Writing in English- II (112402)

Unit-I	**A.K. Ramanujan**	**: A River, Obituary, Love Poem For a Wife (From Ten Twentieth Century Poets (OUP))**	**-ND**
	Jayant Mahapatra	**: Indian Summer, A Missing Person, Dawn at Puri**	**- D**
Unit-II	**N.C. Choudhary**	**: The Autobiography of an Unknown Indian**	**- ND**
	Dr. A.P.J. Abdul Kalam	**: Ignited Minds**	**- D**
Unit-III	**Anita Desai**	**: Cry the Peacock**	**-ND**
	Girish Karnad	**: Tughlaq: A Play in Thirteen Scenes**	**- D**
Unit-IV	**Shashi Deshpande**	**: The Dark holds no Terror**	**-D**
	Mahesh Dattani	**: Final Solution**	**-ND**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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Recommended Reading

1. V.K. Gokak : English in India: It's Present and Future
2. K.R. Srinivas Iyengar : Indian Writing in English
3. S. Radhakrishnan : Recovery of Faith
4. M.K. Naik : Aspects of Indian Writing in English

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SYLLABUS

M.A. ENGLISH IV SEMESTER – SESSION 2022-2023 (Course Code-112)

PAPER-III

American Literature- II (112403)

Unit-I	**Eugene O'Neil**	:	**The Hairy Ape**
	Thompton Wilder	:	**Our Town**
Unit-II	**Arthur Miller**	:	**Death of a Salesman**
	Tennessee Williams	:	**The Glass Menagerie**
Unit-III	**William Faulkner**	:	**The Sound and the Fury**
	Ernest Hemingway	:	**The Old Man and the Sea**
Unit-IV	**N. Hawthorne**	:	**The Scarlet Letter**
	Mark Twain	:	**Adventures of Huckleberry Finn**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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Recommended Reading

1. S. Bradley : The American Tradition in Literature
2. Rober Weeks (ed.) : Hemingway: Twentieth Century Views
3. Henry Nash Smith : Mark Twain: Twentieth Century Views
4. John Gassner (ed.) : O'Neil : Twentieth Century Views
5. A.N. Kaul (ed.) : Hawthorne: Twentieth Century Views

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SYLLABUS

M.A. ENGLISH IV SEMESTER – SESSION 2022-2023 (Course code - 112)

PAPER-IV

Colonial and Post Colonial Studies- II (112404)

Unit-I	**Ashcroft, B., Griffiths, G., and Tiffin, H.**	:	**The Empire Writes Back (Introduction & Chapter 1: Cutting the Ground)**
	Ania Loomba	:	**Colonialism/Post Colonialism (Chapter-1 – Pages 1 to 42)**
Unit-II	**Edward Said**	:	**Orientalism**
Unit-III	**Alice Walker**	:	**The Colour Purple**
	Toni Morrison	:	**The Bluest Eye**
Unit-IV	**J.M. Coetzee**	:	**Disgrace**
	Chinua Achebe	:	**Things Fall Apart**

DIRECTIVES FOR STUDENTS, FACULTY AND EXAMINERS

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5. All questions shall carry equal marks. (16x5 = 80)

Recommended Reading

1. Edward Said : Orientalism
2. Mohanty, Chandra Talpade, Ann Russo and Lourdes Torres, (eds.) : Third World Women and the Politics of Feminism
3. Guha, Ranajit and Gayatri Spivak, (eds.) : Selected Subaltern Studies
4. Guha, Ranajit, (ed.) : Subaltern Studies
5. Christian, Barbara : The Race for Theory

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M.A. (Economics — 117)

SEMESTER- I
INDIAN ECONOMY (117104)
Paper –IV

Unit – I Indian Economy: Meaning, basic characteristics and major issues of development of Indian Economy, GDP and National Income of India – Components and Structure of GDP, Role of Primary, Secondary and Tertiary Sectors in GDP, National Income and Per Capita Income, Growth Rates of GDP and Per Capita Income.

Unit – II Demographic Features of India – Size, Growth Rate, Sex Ratio, Age-Composition, Literacy and Density of Population, Migration, Rural-Urban Migration, Urbanization and Civic Amenities, Occupational Structure, National Population Policy, Demographic Features of Chhattisgarh State.

Unit – III Agricultural Development in Indian Economy – Agricultural Growth and Productivity, Causes of Low Productivity and Measures to Increase it, Agricultural Marketing and Warehousing, Institutional Structure- Land Reforms in India, The Green Revolution, National Agricultural Policy and Food Security in India, Rural credit in India, NABARD and its role in rural credit.

Unit – IV Industrial Development in India, Industrial Policies of 1956 and 1991, Public Sector Enterprises and their Performance, Privatization and Disinvestment, Small Scale Sector and Minor Medium Enterprises, Unorganized Sector and Informalisation of the Indian Economy and Knowledge Economy.

Unit – V Infrastructure- Infrastructure and Economic Development, Energy, Power, Transportation- Road, Railway, Water and Civil Aviation in India, Private Investment in Infrastructure: Outlook and Prospect, Concept of Social Sector and Social Infrastructure, Education, Health and Family Welfare.

Reference:-

1 Ahulwalia, I. J. and I. M. E. Litle (Eds.) 1999): India's Economic Reforms and Development (Essays for Manmohan Singh), Oxford University Press, New Delhi
2 Bardhan, P. K. (9th Edition) (1998): The Political Economy of Development in India, Oxford University Press, New Delhi.
3 Bawa, R.S. and Raikhy (Ed.) (1997): Structural Change in Indian Economy, Guru Nanak Dev University Press. Amritsar (PB).
4 Brahmananda, P. R. and V. R. Panchmukhi (9th Eds.) (2001): Development Experience in the Indian Economy: Interstate Perspectives, Bookwell, Delhi.
5 Chakravarty, S. (1987): Development Planning: The Indian Experience, Oxford University Press, New Delhi.
6 Dantwala, M. L. (1996): Dilemmas of Growth: the Indian Experience, Sage Publication, New Delhi.

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M.A (Economics – 118)

SEMESTER- II
MICRO ECONOMICS-II (118201)
Paper –I

Unit – I — Full Cost Pricing Theory – Hall & Hitch, Sales maximization model: Baumol's model (price-output determination of a product without advertisement and optimal advertising outlay), Managerial theories of the firm: Williamson's model of managerial discretion. Theory of limit pricing: Bains model.

Unit- II — Theory of distribution: Marginal productivity theory of distribution (Marshall– Hicks version), Product Exhaustion theorem. NEO-Classical Approach of Distribution: relative share of labor and capital, technological progress and factor shares in income, determinants of rent, wages, interest and profit (Only modern Theory).

Unit- III — Linear Programming and Game Theory (Geographical and Simplex methods).

Unit – IV — Concept of Equilibrium: Static and Dynamic equilibrium, Partial and General equilibrium. Walrasian Excess Demand.

Unit – V — Welfare Economics – Introduction, Value judgment, Classicial Welfare Economics- Pigovian welfare economics, Pareto optimal conditions. New welfare economics: Compensation principle of Kaldor - Hicks. Social welfare function: Bergson – Samuelson social welfare function, Arrow's impossibility theorem.

Text Books

1. Jhingan M. L. (2014): Advanced Economic Theory, Vrinda Publication, New Delhi
2. Jhingan M. L. (2014): Micro Economics , Vrinda Publication, New Delhi
3. Agarwal , A (2014): Micro Economic Analysis , Sahitya Bhawan Publication, New Delhi

Reference Books

1. Mansfield, E. (1997): Micro Economics (9th Edition), W.W. Norton and Company, New Delhi.
2. Ray, N.C. (1975): An Introduction to Micro Economics, Macmillan Co. of India Ltd., Delhi.
3. Ryan, W.J.L. (1962): Price Theory, Macmillan and Co. Limited, London.
4. Samuelson, P.A. and W.D. Nordhaus (1998): Economics, Tata McGraw Hill, New Delhi.
5. Stonier, A.W. and D.C. Hague (1972): A Textbook of Economic Theory, ELBS and Longman Group, London.

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PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A (Economics -118)

SEMESTER - II
RESEARCH METHODOLOGY AND COMPUTER APPLICATION (118203)
Paper –III

Unit – I Research methodology and research methods, Research: Meaning, types of research, motivation of research, main stages of statistical research, primary and secondary data, methods of collecting primary data, secondary data-different sources, precautions while constructing questionnaire/schedule, editing of primary data.

Unit – II Sampling- Meaning and need for sampling, size of sampling, merits and limitations of sampling, sampling and non- sampling errors, sampling frame, how to judge the reliability of samples. Various methods of sampling. Sampling design- meaning and steps in sample design.

Unit – III Classification and tabulation of data- meaning and objectives of classification, types of classification, tabulation of data, parts of a table, types of tables. Processing and analysis of data- processing operations, some problems in processing, Elements/types of analysis.

Unit – IV Hypothesis: Meaning of hypothesis, basic concepts concerning testing of hypothesis, procedure for hypothesis testing, test of significance based on students 't' test, Chi-square test 'F' ratio test and Paired T test. Practical problems related to Students 't' test, Chi-square test, F ratio test and paired T test .

Unit – IV Computer: What is a Computer? Important characteristics of a computer, history of computer, different parts of a computer - hardware and software, various types of computer, main characteristics of a computer, elementary knowledge of INTERNET and MS office, role of computer in economic research.

Reference Books

1. Kothari, C.R.: Research Methodology
2. Sharma, Dr. Ramnath: Methods and Techniques of Social Survey and Research, Rajhans Publications
3. Bajpai, Dr. S. R.: Methods of Social Survey and Research, Kitab Ghar, Kanjpur-3.
4. मुखर्जी, रविन्द्रनाथः सामाजिक शोध एवं सांख्यिकी, विवेक प्रकाशन, जवाहर नगर, दिल्ली – 7
5. शुक्ला एवं सहायः सांख्यिकीय, साहित्य भवन पब्लिकेशन्स, आगरा

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PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A (Economics-119)

SEMESTER – III
ECONOMICS OF GROWTH (119301)
PAPER – I

Unit- I Economic Growth: Economic Growth and Development, Measurement of Economic Growth, Vicious Circle of poverty, Physical Quality of Life Index, Human development Index, Gender Development index, Gender empowerment measure, UNDP's Human Development Report 2015.

Unit-II The Concept of Capital Output Ratio, Input-Output Analysis, Project Evaluation and its methods and Cost–Benefit analysis, Shadow Prices.

Unit-III Theories of Growth:- Harrod-Domar model,Joan Robinson model, Mead's Neo -Classical Model, Solow Long- Run, Kaldor model of Distribution.

Unit- IV Approaches to Growth:- Kaldor model of Growth, The Pesinetti Model of Profit and Growth, The Models of Technical Change, The Golden rule of Accumulation model.

Unit- V Steady State Growth, Growth Accounting, The Friedman Model, The Mahalanobis Four Sector Model.

Text Books

1. Jhingan,M.L.(2008)31ST edition,: The economics of development and planning, Vrinda publication pvt.Ltd.
2. Shinghai G.C. & Mishra J.P.(2013): Macroeconomic Analysis, Sahitya bhawan publication Agra.
3. Mishra, J.P.(2012): Economics of Growth and development, Sahitya bhawan publication Agra.

Reference Books

1. Hajela P.D. (1998): Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
2. Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000): The Un-organised Sector : Work Security and Social Protection. Sage Publication, New Delhi.
3. Lester, R.A. (1964): Economics of Labour (2nd Edition), Macmilan, New York.
4. McConnell, C.R. and S.L. Brue (1986): Contemporary Labour Economics, McGraw-Hill New York.
5. Papola, T.S.,P.P. Ghosh and A.N. Sharma (Eds.1993): Labour, Employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.
6. Rosenberh M.R. (1998): Labour Markets in Low income Countries in Chenery, H.B. and T.N. Srinivasan, (Eds.) The Handbook of Development Economics, North-Holland, New York.
7. Venkata Ratnam, C.S. (2001): Globlization and Labour- Management Relations Dynamics of change, Sage publications/ Response Books, New Delhi.

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PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A (Economics-119)

SEMESTER- III
ENVIRONMENTAL ECONOMICS (119304)
Paper – IV

Unit – I The Economics of Environment - Environmental Micro Economics and Macro Economics, The Circular Flow Model. Theory of Resources Environment and Economic Development - Economic Growth and The Environment, Future of Economic Growth and The Environment. Criterion of Social Welfare- Bentham Criteria, Pareto Optimality Criteria, Kaldor-Hicks Compensation Criterion.

Unit – II Economic Theory of Environmental Issues - The Theory of Environmental Externalities, Accounting for Environmental Cost, Internalizing Environmental Cost, Positive Externalities, Welfare Analysis of Externalities - Property Rights and The Environment. Common Property Resources and Public Goods - Common Property, Open Excess and Property Rights, Market Failure and Public Goods, Social choice of optimum pollution, Pigovian Taxes and subsidies, Maximization of Social Welfare Under Perfect Competition.

Unit – III Population, Agriculture and The Environment - Population and the Environment- Demographic Transition and Environment, Population Growth and Economic Growth, Population Policy for the 21st Century, Agriculture, Food and Environment, Sustainable Agriculture for the Future, Environment and Neo-Classical Modal of Natural Resources, Energy and Resources.

Unit – IV Ecological Economics, National Income and Environmental Accounting - Ecological Economics Basic Concept, Natural Capital and Accounting for Changes in Natural Capital, Macro Economic Scale, Model of Economic and Ecological System. National Income and Accounting - Natural Capital, System of Environment and Economic Accounts (SEEA).

Unit – V Environmental Value and Methods - Use Value, Option Value and Non Use Value, Cost Benefit Analysis, Methods of environmental valuation- Hedonic Pricing. Household Production Function, Travel Cost Method, Averting Behavior Approach, Contingent Valuation Method, International Carbon Tax. Environment and W.T.O.

Reference

1. Madhu Raj – Environmental Economics.
2. Steve Baker – Environmental Economics.
3. D.W. Pearce – Environmental Economics.
4. Baurnol, W.J. and W.E. Oates. (1988): The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.
5. Thomas and Callan (2009): Environmental Economics.
6. Charles D. Kolasted (2005): Environmental Economics, Oxford University Press.
7. Brian Roach, Jonathan M. Harries and Anne Marie codur (2015): Microeconomics and the environment, Global Development and Environment Institute, Tufts University, Medford.
8. Jonathan M. Harries and Anne-Marie codur (2004): Macroeconomics and the environment, Global Development and Environment Institute, Tufts University, Medford.

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PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
PUABANDHA, BHILAI (C.G.)

M.A. (Economics-119)

SEMESTER- III
DEMOGRAPHY (119305)
Paper – V

Unit – I Demography – Meaning and Importance, Theories of Population – Theory of Optimum Population and Theory of Demographic Transition. Measures of Population Change and Distribution – Rate of Population Change and Distribution, Measures of Degree of Concentration of Population – Lorenz Curve and Gini Concentration Ratio.

Unit – II Migration – Kinds and Factor Affecting of Migration, Hurdles of Migration, Measurement of Internal Migration, Migration Rates and Ratio. Urbanization- Factors Influencing Urbanization and Effects of Urbanization, Population and Economic Development. Human Resource Development in India.

Unit – III Mortality – Meaning and Sources of Mortality Data, Causes of High Death Rate in India, Trends in Death Rate in India, Measurement of Mortality Based on Death Statistics, Crude Death, Specific Death Rate, Infant Mortality Rate and Standardized Death Rate, Child Mortality Rate, Maternal Mortality Rate, Life Table – Functions and Construction of Life Table. Problems Related to Death Rates and Life Table.

Unit – IV Fertility– Meaning, Causes of High Birth Rate in India, Trends in Birth Rate in India, Measurement of Fertility and Reproduction – Crude Birth Rate, General Fertility Rate, Age- Specific Fertility Rate, Total Fertility Rate. Gross Reproduction Rate and Net Reproduction Rate. Problems Related to Fertility and Reproduction Rates.

Unit – V Women Empowerment- Economic Status, Women in Decision Making, Women and Labour Market; Women Work Participation: Concept and Analysis of Women's Work Participation, Structure of Wages across Regions and Economic Sectors, Determinants of wage Differentials, Gender and Education.

Text Books

1. Agrawal, S. N.: India's Population Problems, Tata Mc-Graw Hill co. Bombay.
2. Bogue, D. J.: Principles of Demography, Honwiley, New York.
3. Sinha, V. C. and Pushpa Sinha: Principles of Demography, Mayur Paper backs.
4. Mishra, Jai Prakash, Demography: Sahitya Bhawan Publications, Agra.
5. Pathak, K. B. and F. Ram,: Techniques of Demographic Analysis, Himalaya Publishing House.
6. Jhingan, M. L. and others: Demography, Vrinda Publications (P) Ltd.
7. Srinivasan, K.: Basic Demographic Techniques and Applications, Sage Publication.

Reference Books

1. Census India SRS Bulletins, Registrar General of India, Govt. of India, 2011
2. Rural-Urban distribution *Census of India: Census Data 2001: India at a glance >> Rural-Urban Distribution.* Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
3. Number of Villages *Census of India: Number of Villages* Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
4. Urban Agglomerations and Towns *Census of India: Urban Agglomerations and Towns.* Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
5. Preston, S.H.(1976):Family Sizes of Children and Family Sizes of Women. *Demography* 13(1): 105-114.
6. Pritchett, L.H. (1994). Desired Fertility and the Impact of Population Policies. *Population and Development Review* 20(1): 1-55.

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PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A (Economics – 120)

SEMESTER- IV
ECONOMICS OF SOCIAL SECTOR (120404)
Paper – IV

Unit-1 Pollution- classification of pollution, Air, Water and Land Pollution, Cause & Effects of pollutant. Problem of solid waste management, Pollution control strategies, Equi Marginal law of pollution, Global environmental issues- Climate change, Global warming, Green House Effect, Ozone depletion.

Unit-2 Development and Environment: Relation between development & environmental stress, The Environmental Kuznets Curve, The concept of Sustainable Development, Indicators of sustainability, Measuring sustainable development, Green Economy.

Unit-3 Economics of Resources- Classification of resources, Renewable & Non-renewable resources, Optimum use of resources. Land resources, Forest resources, Social forestry, Peoples participation in the management of Common & forest land. Energy- Sources of energy, energy efficiency & environment, Alternative sources of energy.

Unit-4 Economics of Education- Expenditure on education, Productive expenditure on education, Productivity of education, the return of education, Human capital, Human capital Vs Physical capital, Educational reforms and Right to Education Act.

Unit-5 Health Economics- Determinants of health care, Malnutrition. The concept of Human life, Inequalities in health- class & gender, Perspective HDI, GDI, GEM and HPI.

Reference

1. Baurnol, W.J. and W.E. Oates (1988): The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.
2. Berman, P. (Ed.) (1995): Health Sector reform in Developing Countries: Making health development sustainable, Boston: Harvard Series on Population and International health.
3. Blaug, M. (1972) : Introduction to Economics of Education J Penguin, London.
4. Bromely, D.W. (Ed.) (1995): Handbook of Environmental Economics, Blackwell, London.
5. Cohn, E. and T. Gaske (1989): Economics of Education, Pergamon Press, London.
6. Fisher, A.C. (1981): resource and Environmental Economics, Cambridge University Press, Cambridge.
7. Hanley, N.J.F. Shogern and B. White (1997): Environmental Economics in Theory and Practice, Macmillan.
8. Hussen, A.M. (1999) : Principles of Environmental Economics, Routledge. London.
9. Jeroen, C.J.M. van den Bergh (1999): Handbook of Environmental and Resource Economics, Edward Elgar Publishing Ltd. U.K.
10. Thomas and Callan (2009): Environmental Economics.

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PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M. Com. Ist Semester (Code-101)
PAPER-I
MANAGERIALECONOMICS (101101)

M.M.80+20

OBJECTIV:

This course develops managerial, perspective to economic fundamentals as aids to decision making under given environmental constraints.

COURSE INPUTS:

UNIT-1 Nature and Scope of Managerial, Economics: Objective of a firm; Economics theory and managerial theory; Managerial economist's role and responsibilities.

UNIT-2 Fundamental economic concepts-incremental principle, opportunity cost principle, discounting principle. equimarginal principle.

UNIT-3 Demand Analysis: Individual and Market demand functions Law of demand; determinants of demand; Elasticity of demand-its meaning and importance, Price elasticity; income elasticity and cross elasticity; Using elasticity in managerial decisions.

UNIT-4 Theory of consumer Choice: Cardinal utility approach, indifference approach, revealed preference and theory of consumer choice under risk; Demand estimation for major consumer durable and non-durable products; Demand forecasting tech. technique.

UNIT-5 Production Theory: Production function-production with one and two variable inputs, Stages of production; Economics of scale; Estimation of production function.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M. Com – 2nd Semester (code-102)

कर नियोजन एवं प्रबन्ध (प्रश्नपत्र –VIII)

TAX PLANNING AND MANAGEMENT (102203)

(Paper –VIII)

M.M. 0:80

OBJECTIVE –

This course aims at making students conversant with the concept of corporate tax planning and Indian tax laws, as also their implications for corporate management.

Unit – I	Calculation of taxable Income and tax of Firm and Companies.
Unit – II	Return of Income, Provisional Regular, Expert and emergency assessment, Re opening of assessment.
Unit – III	Concept of tax Planning ; Tax avoidance and tax evasions ; Tax planning with reference of location, nature and form of organization of new
Unit – IV	Tax planning to capital structure, decision dividend policy; Inter corporate dividends and bonus shares.
Unit – V	Preparation of income tax returns, Computation of Income tax, Tax deduction at source; Advance payment of tax.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M. Com. IInd Sem

(Compulsory) Paper – X (Code -102)

Business Laws (102205)

M.M. 80

OBJECTIVE

The Objective of this course is providing knowledge of relevant provisions of various laws influencing business operations.

UNIT-1 SEBI Act-1992: Organization and objectives of SEBI, Functions and Role of SEBI Rights and Power of SEBI.

UNIT-2 MRTP Act 1969: Monopolistic Trade Practice Meaning, essentials, Restrictive Trade Practices-Meaning, Unfair trade practice, MRTP commission of fences and Penalties.

UNIT-3 Consumer Protection Act 1986: Needs of Act, Rights of consumers, Objectives of Act., Grievance redressal Machinery, District Forum, State Commission, National Commission.

UNIT-4 FEMA Act 1999: Objectives; Regulation and Management of FEMA, Penalties Appeal.

UNIT-5 W.T.O.: Brief History of WTO, Objectives and Functions, Organisation, W.T.O. and India, Regional groupings, anti-dumping duties and other NTBs, Doha declaration Dispute settlement system, TRIP, TRIMS and GATS.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M. Com. III Sem

संठनात्मक व्यवहार (प्रश्नपत्र द्वितीय) (Code-103)

ORGANIZATIONAL BEHAVIOUR (Paper – Second) (103302)

M.M. : 80

OBJECTIVE -

The Objective of this course is to help student understand and conceptual framework of management and organizational behavior.

Unit – I	**Organizational Behaviour:** concept and significance; Relationship between management and organizational behaviour; Emergence and ethical perspective; Attitudes; Perception; Learning; Personality; Transactional analysis.
Unit – II	**Leadership:** Concept; Leadership styles; Theories - trait theory, behavioural theory, Fielder'scontingency theory; Harsey and Blanchard's situational theory; Managerial grid; Likert's four systems of leadership.
Unit – III	**Organizational Conflict:** Dynamics and management; Sources, patterns, levels, and types of conflict; Traditional and modern approaches to conflict; Functional and difunctional organizational conflicts; Resolution of conflict.
Unit – IV	**Interpersonal and Organizational Communication:** Concept of two-way communication; Communication process; Barriers to effective communication; Types of organizational communication; Improving communication; Transactional analysis in communication.
Unit – V	**Organizational Development:** Concept; Need for change, resistance to change; Theories of planned change; Organizational diagnosis; Organizational Development intervention.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.Com. IV Sem

(1) विज्ञापन एवं विक्रय प्रबन्ध – (प्रश्नपत्र : A – द्वितीय) (Code - 104)

ADVERTISING & SALES MANAGEMENT (Paper: A – Second) (104402)

M.M.:80

Unit – I	Introduction: Concept, Scope, Objectives and Functions of Advertising. Role of Advertising in marketing mix and the advertising process. Legal, ethical and social aspect of advertising.
Unit – II	Pre-launch Advertising Decision: Determination of target audience, Advertising Media and their choice. Advertising messages, Layout of advertisement and Advertising Appeal, Advertising Copy.
Unit – III	Promotional Management: Advertising Department, Role of Advertising Agencies and their Selection, Advertising Budget, Evaluation of Advertising Effectiveness.
Unit – IV	Personal Selling: Meaning and Importance of Personal Selling, - Difference between Personal Selling, Advertising and Sales Promotion. Methods and Procedure of Personal Selling.
Unit – V	Sales Management: Concept of Sales Management, Objectives and Functions of Sales Managements. Sales Organization, Management of Sales force and Sales force objectives, Sales force Recruitment: - Selection, Training, Compensation and Evaluation.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A. (Psychology) 1st Sem (Code -133)

PAPER – I
BASIC PSYCHOLOGICAL PROCESSES – I (133101)

M.M. -80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

Unit – I. Psychophysics and Perception

- Signal detection theory, subliminal perception and related factors, information processing approach to perception, culture and perception, perceptual styles. Ecological perspective onperception.

Unit 2. Perceptual Processes

- Approaches to the Study of Perception: Gestalt and physiologicalapproaches.
- Perceptual Organization : Gestalt, Figure and Ground, Laws ofOrganization.
- Perceptual Constancy : Size, Shape and Brightness, Illusion; Perception of Depth andMovements.
- Role of motivation and learning inperception.

Unit 3. Attention: Concept, Theories, and determinants

Unit 4. Motivation

- Basic Motivational Concepts : Instincts, needs, drives, incentives, motivational cycle.
- Approaches to the Study of Motivation : Psychoanalytical, ethological, S – R Cognitive,humanistic.
- Biological Motives: Hunger, thirst, sleep andsex.
- Social Motives : Achievement, affiliation,approval
- Exploratory behaviour andcuriosity

Unit 5. Motivation and Emotion

- Physiological correlates ofemotions.
- Theories of emotions: James – Lange, Canon – Bard, Schachter andSinger.
- Conflicts: Sources andtypes.

BOOK RECOMMENDED :

1. *Snodgrass, J. Gray. Et. Al (1985) Human experimental psychology, New York : Oxford UniversityPress.*
2. *Galott, K. M. (1999) Cognitive psychology in and outside laboratory, Mumbai : ThompsonAsia.*
3. *D. Amato M.R. (1970) Experimental Psychology, New York, Mc. GrawHill.*
4. *Sen Anima: Attention &Destraction NewDelhi.*
5. *S. Stenvens, (1959) Handbook of Experimental Psychology, A Wiley Publication inPsychology.*

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A. (Psychology) IInd Sem
(Code-133)

PAPER – II

SOCIALPSYCHOLOGY (133102)

M.M. - 80

NOTE : This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Current trends in Social Psychology. Historical Background: Growth of social psychology, Methods of social psychology. Theoretical perspective: Cognitive dissonance, Social comparison, Attribution, Field Psychoanalytic, Symbolic interactions, Socio-biology.

UNIT– II Social cognition. Person perception, impression management. Role of Stereotypes in person Perception types of influenceprocess.

UNIT–III Social Influence Processes:Leadership

UNIT– IV Attitude : Nature and Characteristics, Development and change. Theoriesof attitudechange.

UNIT– V Prosocialbehaviour, aggression and violence.Nature,Characteristics, Determinants,Theories.

BOOK RECOMMENDED :

1. *Billing, M. (1976) Social Psychology and inter group relations, NY: Academic Press Lindsey, G. & Aronson, E (Eds) (1985) The Handbook of social psychology. NY : RandomHouse.*
2. *Mishra, G. (1990) Applied social psychology in India ND:Sage*
3. *Eiser, J.R. (1986) Social Psychology, London : Cambridge UniversityPress.*
4. *Dalal, A.K. (1989) Attribution theory and research ND wileylimited .*
5. *Feldman R.S. (1985) Social Psychology, New York, McGrawhill.*
6. *Baran A.B. & Byre, D (1991) Social Psychology, - Boston allyn&Bacon.*
7. *Pandey, J. (1988) Psychology in India; the state – 7 the art Vol – 2 ND.Sage.*

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A (Psychology)
1st Sem – (Code-133)

PAPER – IV

PSYCHOPATHOLOGY (133104)

M.M. – 80

NOTE: This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from eachunit.

UNIT– I Concept of Psychopathology, Classification systems inpsychopathology: W.H.O. (ICD-10) and multiracial systems (DSM-IVTR): Evaluation of classification system.

UNIT– II Theoretical background, approaches to psychopathology (1)Psychodynamic;(2) Behavioural; (3) Cognitive; (4) Phenomenological; (5) Biologicaland (6) Socio cultural; Diagnosis – purposes of diagnosis, reducing undesirable variability: diagnosticsystem.

UNIT – III Anxiety disorder : Panic, Phobic, OCD, Post – Traumatic, GAD, somatoform disorders, Impulse control disorder, eating disorder, Sleep disorder, dissociative: Types, symptoms and management.

UNIT– IV Psychotic disorders: Schizophrenia, Mooddisorder.
Personality disorder (cluster categories and problems), types & symptoms: Types, Symptoms and management.

UNIT– V Substance related disorders. Mental Retardation and developmentaldisorders.

BOOK RECOMMENDED:

1. Aboud, T.D.: Health psychology in global perspective. Thousand oaks, C.A: Sage(1988).
2. Page, J.D.: PSYCHOPATHOLOGY : The Science of understanding Deviance. (2nd ed.) (1975)
3. Carson, C.R., Butcher J. N. : Abnormal psychology and modern life (9th ed) Harper Collins publisher. (1992).
4. Adams, H.E. &Sutkar. P.B. : comprehensive handbook of psychopathology New York, PlenumPress.
5. Prokap, C.R. &Bradly, L.A.: Medical psychology: Contribution to Behavioural medicine, Academic press,(1991)
6. Davison G.C. and Neal J.N. Abnormal Psychology – 8th Ed. Wiely Publishers,2000.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A. Psychology (IInd Sem) (Code - 134)

PAPER – VII

GROUP PROCESSES AND CULTURAL PSYCHOLOGY (134202)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Group Dynamics and Group behaviour, Group effectiveness, and Group Cohesiveness: meanings, formation, decision making, problem solving and group level behaviours.

UNIT– II Leadership: Meaning and nature, function, styles andeffectiveness.

UNIT – III Social issues: Poverty, Caste, gender, population issues in India, Communal tension and harmony.

UNIT – IV Culture and Behaviour I: Culture and Cognition and emotion. Culture and Organisation.

UNIT– V Culture and Behaviour II: Culture and Health. Culture and Personality.

Social psychology: Health, Environment andLaw.

BOOK RECOMMENDED:

1. Billing, M. (1976) Social Psychology and inter group relations, NY: Academic Press Lindsey,G.
2. Aronson, E (Eds) (1985) The Handbook of social psychology. NY: RandomHouse.
3. Mishra, G. (1990) Applied social psychology in India ND:Sage
4. Eiser, J.R. (1986) Social Psychology, London : Cambridge UniversityPress.
5. Dalal, A.K. (1989) Attribution theory and research ND wiley limited.
6. Feldman R.S. (1985) Social Psychology, New York, McGrawhill.
7. Baran A.B. & Byre, D (1991) Social Psychology, - Boston allyn&Bacon.
8. Pandey, J. (1988) Psychology in India; the state – 7 the art Vol – 2 ND.Sage.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M. A. – III SEMESTER(PSYCHOLOGY) (Code-135)

PAPER – XI (COMPULSORY)

PERSONALITY AND INDIGENOUS PSYCHOLOGY – I (135301)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Personality Meaning, Perspectives & Measurement of Personality. Concept of mature Personality, Personality Theory- Problems & Procedures.

UNIT – II Psychodynamic perspective Freud, Erikson, Adler- theory of personality – the structure, dynamics and development of Personality and the Research Methods used.

UNIT – III Trait approach Allport, Cattel andEysenck-theory of personality. The structure dynamic, development of Personality the Research Methods.

UNIT – IV Cognitive, Behavioural and Humanistic approach Kelly, Bandura and Roger's theory of Personality. Structure, dynamics and development of Personality & the Research Methods.

UNIT – V Indigenous concept and Models of Personality – Yogic, Sankhya and Current Researches in the field of Personality.

BOOK RECOMMENDED:

1. Liebert, R.M. &Spiegler, M.P. (1993): Person aligy: Strategies & issues, P.C. California Books Cole Pub.Co.
2. Hall C.S. and Lindsey, G. (1996) theories of Personality N.Y.J. Wiley &Sons.
3. Pervin L.A. (1975): Psychology of personality readings in theory, Chigos. Rand Meznally CollegeLab.
4. Sinha J.N. (1969) : Indian Psychology,Calcutta.
5. Mukkopadhyay, Swami NiranjanandSaraswati Yoga DarshanMunger : Bihar School ofYoga.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M. A. – III SEMESTER(PSYCHOLOGY) (Code - 135)

GROUP - A

PAPER – XIII (OPTIONAL)

ORGANIZATIONAL BEHAVIOUR – I (135303)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT– I Introduction: Organization Behaviour – Scope and Concepts.

UNIT – II Psychological Processes: Learning, Perceptions and Motivation – Definition, Theories and application.

UNIT – III Leadership and Supervision: Concept, Factors influencing leadership role, Essentials of Leadership, Leadership Styles, Supervision and patterns of supervision.

UNIT – IV Organizational Dynamics: Organizational Power & Politics., Organizational Conflict, Conflict Management, Union Management interface.

UNIT – V Decision Making: Concepts, Decision Making process, types of decisions, factors influencing decision making, Management decision techniques.

BOOK RECOMMENDED:

1. UdaiPareek: Organizational learning R. Gibson (1997) Rethink the future London Nicholas BrealeyPublishing.
2. Luthans Fred: Organizational Behaviour (1995) McGraw Hill internationalEdition.
3. Stephens P. Robbins: Organizational behaviour (9th edition) (2000) Prentie Hall India, New Delhi110001.
4. Jerald Greenbery, Robert, Aaburon: Behaviourin organization (1999) PrentieHallof India. New Delhi110001.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M. A. – III SEMESTER(PSYCHOLOGY) (Code-135)

GROUP - B

PAPER – XIII (OPTIONAL)

EDUCATIONAL INSTRUCTIONAL PSYCHOLOGY – I (135305)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Conceptual and theoretical perspectives in Educational Psychology. Theories, Behavioristic, Social learning and Piaget and their application in teaching.

UNIT – II Information processing Models, Instructional Models, Programmed learning concept, Characteristics and models.

UNIT – III Human diversity and education. Learning styles: Nature, approaches to learning style, measurement of learning styles, attempt to modify learning styles.

UNIT – IV Individual and group differences in intelligence. Theories of intelligence, Gender differences issues in theclassroom.

UNIT– V Learning and motivation, study habit, importance, Levels ofLearning

BOOK RECOMMENDED:

1. De Secco, J.P. &Croford, W.R. : The Psychology of Learning and Instruction, New Delhi. PrenticeHall.
2. Ellis, R.S.: Educational Psychology, A Problem approaches affiliated, New Delhi, ease WestPress.
3. Bruce &Marshvell : Models of Teaching (2nd Ed.)1980.
4. Travers, J.F. : Educational Psychology (2nd Ed.)1979.
5. Woolbtk, A.E. (1995), Educational Psychology (6th Ed.) Allya& Bacon, Londan/ Bostan.
6. Gage, N.L. & Berliner (1998). Education of Psychology (6th Ed.), HoughtMiffir, NewYark.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M. A. – III SEMESTER(PSYCHOLOGY) (Code - 135)

GROUP - C

PAPER – XIV (OPTIONAL)

PSYCHOTHERAPEUTIC COUNSELLING – I (135308)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT – I Psychotherapeutic Counselling: Psychoanalytic Technique, Behavioural. Technique, Client centered technique, Community interventions and Group therapeutic techniques.

UNIT – II Methods for Altering Maladaptive Behavioural deficits: Shyness, delinquency, depression, speech and sexual ldysfunctions.

UNIT – III Methods for altering maladaptive behavioural excesses: Excessive smoking, alcoholism, drug addiction and temper-out burst, physical aggression.

UNIT – IV Methods of altering inappropriate behaviour: Marital maladjustment, child-misbehaviour, homosexuality, and exhibitionism.

UNIT – V Methods for altering fears and anxiety and treating psychophysiological disorders:test-anxiety, generalized anxiety, stress, school phobia, snake phobia, combination of fears, CHD, asthama and pepticulcer.

BOOK RECOMMENDED:

1. Carson & Butcher: Abnormal Psychology and modernlife.
2. Wolpe, R. & Dryden, W. (eds) (1996) : Handbook of counselling psychology, NewDelhi
3. Woolberg, L.R. (1998) : The Techniques of Psychotherapy, Barcour Brace : Groune andstration.
4. Toukimarian, S.G. &Rennie D.C. (1992): Psychotherapy Process and Research,Sage
5. Gelso; C.J. and Fretz, B.R. (1995): Counselling Psychology, Bangalore, Prism Books Ltd.
6. Abate, L. & Milan, M.A. (ed.) (1985) : Handbook of social skill training & Research, New York: John Wiley &Sons.
7. Gorey, G (1986)Theory and Practices of Counselling and Psychotherapy, Montery California, books coleypublishing.
8. Adelson, D. &Kalis, B.L. (1970) : Community Psychology and Mental Health. PerspectivesSeanto.
9. Mann. A.P. (1978): Community Psychology : Concepts and applications, FreePress.
10. Iscoe. I. Block, B.L. &Spielberger, C.D. (eds.) (1977): Community Psychology : Perspectives in training and research N.Y. :Appleton.

PRINCIPAL
ST. THOMAS COLLEGE, BHILAI
RUABANDHA, BHILAI (C.G.)

M.A. Psychology (IV^th Sem.)
(Code-136)

PAPER – XVI (COMPULSORY)

LIFE SPAN DEVELOPMENT (136402)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

Unit–I Introduction: What is development : Nature, Stagesandprinciplesof developmental Psychology, Maturation vsExperience; Nature Nurturedebate

Unit–II Theories of Human development:Psychodynamic,Psychosocial, Behaviorism and social learning theories, Cognitive developmentand Socio-Cultural Theory ofdevelopment.

Unit–III Research methodology in Development Psychology and Measurement Techniques, Research design, Ethical issues in Research on child development.

Unit–IV The Biological foundation of development, Development oflanguageand communication, Emotional, Social personality and Moraldevelopment.

Unit–V Adulthood, Middle and old age :Characteristics,Psychological changes andadjustment.

Books Recommended:

An introduction to Child Development, IInd Ed.

1. *Thomas keenan and subhadra Evans sage foundations of Psychology2009*
2. *Baltes, P.B. & Brim O.G.(1978) : LIfe span development Behaviour. N.Y. Academic Press.*
3. *Thomas, M.R.(2000) : Recent theories of Human Development, thousand Oaks: sage Publication.*
4. *Zanden, J.W. &Vander (1997) : Human Development (7^thEd.) New York : McGraw Hill.*
5. *Elizabeth B. Hurlock (1977) : Development Psychology, A life span approach, (5^thEd.)*
6. *Jere, E. Brothy& Sherry I, Willis (1981) Human Development and Behaviour, St. Maitins Press,NY.*

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M.A. Psychology IV 4th sem (Code-136)

GROUP - A

PAPER – XVIII (OPTIONAL)

ORGANIZATIONAL BEHAVIOUR – II (136403)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questionswill be set and candidates will have to answer one question from eachunit.

UNIT– I GROUPS: Types of Groups, Processes, Group Culture and SocialInfluence, TeamBuilding.

UNIT– II COMMUNICATION: Nature, Types, Application of different types of Communication, Role of TA inCommunication.

UNIT–III ORGANIZATIONAL CHANGE: Types of Change, Sources ofChange, Process, Human element inchange.

UNIT– IV ORGANIZATIONAL DEVELOPMENT: Concepts, objectivesandgoals, process Behavioural Science approach to organizationaldevelopment.

UNIT– V MARKETING : Marketing Research, Nature and function, consumer behavior, sales promotionstrategies.

BOOK RECOMMENDED:

1. *UdaiPareek: Organizational learning R. Gibson (1997) Rethink the future London Nicholas BrealeyPublishing.*
2. *Luthans Fred: Organizational Behaviour (1995) McGraw Hill international Edition.*
3. *Stephens P. Robbins: Organizational behaviour (9th edition) (2000) PrentieHall India, New Delhi 110001.*
4. *Jerald Greenbery, Robert, A aburon: Behaviour in organization (1999) PrentieHall of India. New Delhi110001.*

PRINCIPAL
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M.A. Psychology IV th sem.

GROUP - C (Code - 136)

PAPER – XVIII (OPTIONAL)

CLINICAL DIAGNOSIS AND COMMUNITY MENTAL HEALTH – II (136407)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questions will be set and candidates will have to answer one question from each unit.

UNIT– I Clinical assessment : Basic principles, Psychometric tests: MMPI, WAIS& WISC.

UNIT– II Projective tests: Characteristics and clinical use, Rorschach &TAT.

UNIT – III Neuro Psychological examination: Approaces; Halstead Neuropsychological test battery, Luria Nabraska Battery, use of Bender Gestalt &Weschler scale in neuro psychologicaltesting.

UNIT– IV Community Psychology: History and Perspectives of CommunityPsychology.

UNIT– V Community Psychology: Social Interventions: Methods andStrategies.

BOOK RECOMMENDED:

1. *Iscope, I.; Block B.L. and Spielberger, C.D. (eds) Community psychology: Perspectives in training and research. NY: Appleton,1977.*
2. *Mann. A.P.; Community Psychology: Concepts and applications. Free Press,1978.*
3. *Rapaport, J. Community Psychology: Values, Research and action. NY : Holt Rinehart.1977.*
4. *Korchin, S.Modern Clinical Psychology. Harper and Row,1978.*
5. *Wolman, B.B. (ed) Handbook of Clinical Psychology, McGraw Hills, 1972.*

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ST. THOMAS COLLEGE, BHILAI
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M.A. Psychology (Code-136)
(IV th sem) (Code-136)

GROUP - C

PAPER – XIX (OPTIONAL)

PSYCHOTHERAPEUTIC COUNSELLING – II (136408)

M.M. - 80

NOTE: This paper consists of five units. From each unit minimum two questionswill be set and candidates will have to answer one question from eachunit.

UNIT – I Methods for preventing problems and developing resourcefulness: Training family members, sibling as behavior change agents, Maintenance of parent raining. Development of academic skills – Teaching study skills to adults, improving study behavior through self-controltechnique.

UNIT – II Assertiveness Training, Developing Assertive Behaviour through Converts modeling. Personal Appearance, Improving client's grooming.

UNIT – III Methods for Promoting Wise Decision- Making: With Children,Career Decision Making Evaluation of Problem SolvingCompetence.

UNIT – IV Social Interaction: Conversational Skills, Weight: Control: Psychological techniques, improving Physical Fitness, Cardio Vascular Problems: Psychological prevention.

UNIT – V Drug Abuse: Drug abuse perception Reimforment for alternatives Peer Counselling: Peer Guidance program and behavioural interventions, Counseller Accountability System.

BOOK RECOMMENDED:

1. *Carson &Butcher : Abnormal Psychology and modernlife.*
2. *Wolpe, R. & Dryden, W. (eds) (1996) : Handbook of counselling psychology, NewDelhi*
3. *Woolberg, L.R. (1998) : The Techniques of Psychotherapy, Barcour Brace : Groune and stration.*
4. *Toukimarian, S.G. &Rennie D.C. (1992): Psychotherapy Process and Research,Sage*
5. *Gelso; C.J. and Fretz, B.R. (1995): Counselling Psychology, Bangalore, Prism Books Ltd.*
6. *Abate, L. & Milan, M.A. (ed.) (1985) : Handbook of social skill training & Research, New York: John Wiley &Sons.*
7. *Gorey, G (1986)Theory and Practices of Counselling and Psychotherapy, Montery California, books coleypublishing.*
8. *Adelson, D. &Kalis, B.L. (1970) : Community Psychology and Mental Health. PerspectivesSeanto.*
9. *Mann. A.P. (1978): Community Psychology : Concepts and applications, FreePress.*
10. *Iscoe. I. Block, B.L. &Spielberger, C.D. (eds.) (1977): Community Psychology : Perspectives in training and research N.Y. :Appleton.*

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