(Including Book-Details)
(Semesterwise)

SCHEME & SYLLABUS
FOR

BACHELOR OF ARTS

(THREE YEARS DEGREE PROGRAMME)

First Year
(Ist & IInd Semester)

(w.e.f. Session 2022-2023)

(THROUGH DISTANCE EDUCATION)

Directorate of Distance Education
GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY
HISAR-125001 (HARYNA)

Guru Jambheshwar University of Science & Technology Hisar

(B.A Course Outline and Scheme w.e.f. 2022-23 through Distance)

B.A (General) Semester-I

In the B.A. Pass course (General), a student is supposed to pass 26 subjects in total. Out of this, a student has to study the subjects in the following manner:

1. Two languages (in every semester)

2. Two compulsory papers (one i.e. computer awareness in 1st & 2nd Semesters and second i.e. Environmental awareness in 2nd Semester)

3. Two electives (once opted for in 1st semester, will continue up to 6th Semester)

Semester wise scheme is as under:

Compulsory Papers --Semester-Ist:

Note : Three papers are compulsory (i.e. two languages and one computer awareness)

Paper Code	Nomenclature ofPaper	External Marks	Internal Marks	Practical	Total Marks	Time
ENGC 101	Eng (C)-Literature and Language-I	80	20	___	100	3Hrs
HINC 101	Hindi Compulsory	80	20	___	100	3Hrs
Level -1: Computer Awareness1 L1-(i)(ii) CALI 101	Basic Computer Education-Practical(Exam will be conducted in 2nd Sem)	---	---	---	---	---
POLS101	Political Science:Option-I Indian Constitution	80	20	----	100	3Hrs
PUBA 101	Elements of Public Administration	80	20	---	100	3Hrs
HIST 101	History option-I Ancient India (FromEarliest Times to Gupta Age)	80	20	----	100	3Hrs
BAMH 111 BAMH 112 BAMH113	Mathematics (BAPass Course) Paper-I: Algebra Paper-II: Calculus Practical: Mathematics Lab: 1 Total (100)	25 25 -- 50	10 10 --- 20	--- --- --- 30	35 35 30	3Hrs 3Hrs
BECO 101	Principles of Micro Economics -1	80	20	---	100	3Hrs
SOCL 101	Sociology: Basic Concepts in Sociology	80	20	---	100	3Hrs

Subjects Offered BA-General /Arts (Semester I&II through Distance Education)

I. Compulsory Subjects (80 External:20 Internal)

    i) English (ENGC 101)

    ii) Hindi (HINC 101)

    iii) Environmental Studies

      (EVSL 201 Sem II)

    iv) Computer Awareness Level-1(CALI101)

II. Elective Papers (80 External:20 Internal)

  i) Political Science-(POLS 101) Option 1- Indian Constitution

  ii) Public Administration-(PUBA 101) Elements of Public Administration

  iii) History- (HIST 101), option i) Ancient India (From earliest times to Gupta Age)

  iv) Mathematics - BAMH111, BAMH112 & BAMH113

  v) Economics- (BECO 101), Principles of Microeconomics-1

  vi) Sociology- (SOCL 101) Basic Concepts in Sociology

Subject Combinations

A student has to take anyone combination given as below:

S.No.	Subject I	Subject II	S.No.	Subject I	Subject II
1	Political science	History	8	History	Sociology
2	Political science	Economics	9	Economics	Sociology
3	Political science	Sociology	10	Mathematics	History
4	Public administration	History	11	Mathematics	Economics
5	Public administration	Economics	12	Mathematics	Political science
6	Public administration	Sociology	13	Mathematics	Public administration
7	History	Economics			

Further, the combination of the subjects to be notified by the university from time to time as it also be applicable (See below a part of notification in this regards [Note: See Point10*-Detailed notification on on main Website also]

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
A' Grade, NAAC Accredited State Govt. University

GENERAL INSTRUCTIONS/GUIDELINES FOR ADMISSION TO VARIOUS COURSES IN AFFILIATED COLLEGES/ INSTITUTES w.e.f. THE ACADEMIC SESSION 2021-22 ONWARDS

1.   **ADMISSION COMMITTEE**

Every College/ Institute shall have an Admission Committee to be constituted by the Principal from amongst the teachers of the College/ Institute and SC/ST teacher and a female representative from the College/ Institute shall be included in the Admission Committee.

All the admissions should be made by the College/ Institute through the **Admission Committee** strictly in accordance with the Rules/Ordinances of the concerned courses (UG/PG) Notifications regarding provisions of relevant Ordinance(s) for Under-Graduate and Post-Graduate Classes/Courses as well as subsequent amendments circulated by the University from time to time may be kept in view.

Responsibility for wrong/irregular admission/excess admission, if any, will entirely rest upon the Principal and Admission Committee of the College/ Institute concerned, even if the admission is carried out through online by DHE. A certificate from each student seeking admission to the effect that any University/Board has not disqualified him/her, must invariably be obtained at the time of admission. Certificates/Detailed Marks Cards of all students seeking admission on having passed the qualifying examination from other Universities/Boards may categorically be checked exhaustively at the time of admission and it shall also be ensured that the candidate seeking admission is eligible. If there is any doubt, a clarification to this effect must be sought from the Registration/Academic Branch as the case may be before the finalization of admission.

Defence Studies Hindi Sanskrit Urdu Punjabi Computer Science/ Computer Applications (Economics w.e.f. 2019-20)	Mathematics Sociology Social Work Music /Vocal/ Music (Instrumental/ Music(Tabla) Health & Physical Education	Political Science Statistics Fine Arts Human Rights (Public Adm w.e.f 2019-20)	Geography Home Science Philosophy	History Art & Culture & Archaeology	(Psychology w.e.f 2019-20) Office Management* Commercial Art* Designing & Painting*. Fruit Preservation Applied Nutrition Bakery Tailoring & Hosiery, Rural Industrialization, Marketing, Functional Hindi, Tourism & Travel Mgt. Functional English, Early Childhood Care & Education Mass Communication & Video Production Fashion Designing Agro Service

Note:

(i)   Language offered as Compulsory subject shall not be offered as an Elective subject.

(ii)   Further, the combination of the subjects to be notified by the University from time to time will also be applicable.

Compulsory Papers --Semester-IInd:

Note: Three papers are compulsory (i.e. two languages and one Environmental studies & Computer awareness will continue from 1st semester).

Paper Code	Nomenclature of Paper	External Marks	Internal Marks	Practical	Total Marks	Time
ENGC 102	Eng (C)-Literature and Language-II	80	20	—	100	3Hrs
HINC 102	Hindi Compulsory	80	20	—	100	3Hrs
Level -1: Computer Awareness 1.L1-(i)(ii) CALI 102	Basic Computer Education+Practical (continued from 1st Sem)	100	---	100	200	3+3Hrs
EVSL 201	Environmental Studies	70	30	---	100	3Hrs
POLS 103	Political Science: Option-I Indian Politics	80	20	---	100	3Hrs
PUBA 102	Basics of Public Administration	80	20		100	3Hrs
HIST 103	History Option-I History of India(600-1526 A.D.)	80	20	---	100	3Hrs
BAMH 121	Mathematics (BA Pass Course) Paper-I: Ordinary Differential Equations and Laplace Transforms	25	10	---	35	
BAMH 122	Paper-II: Vector Calculas and Geometry	25	10	---	35	
BAMH123	Practical: Mathematics Lab: II	---	---	30	30	
	Total (100)	50	20		30	
BECO 201	Principles of Microeconomics-II	80	20	---	100	3Hrs
SOCL 102	Sociology: Society, Culture and Social Change	80	20		100	3Hrs

the University on the receipt of documents, will not be accepted and Principals of Colleges will be fully responsible for any wrong admission. No excuse like admissions are made through Counseling/Admission Committee etc. for wrong admissions will be entertained. Registration of such students will not be finalized by the university.

iii) Eligibility of students who have passed their qualifying examination from Board of School Education, Haryana/other Boards/Universities including Guru Jambheshwar University of Science & Technology, Hisar be checked properly and admissions be allowed in accordance with the guidelines of DGHE/HSTES/Central Counseling Agency and provision of rules of the concerned ordinance of the university.

iv) The particulars of the admitted students i.e. Name, Father's Name, Mother's Name should strictly be the same as mentioned in the Matriculation examinations and their registration return, duly uploaded on university web portal, must reach in the Registration Branch as per schedule along with legible photocopies of the certificates of the qualifying examination, duly attested by the Principal of the concerned College himself/herself and/or by a teacher deputed for the purpose, along with the University dues. Intimation regarding authorization of teacher(s) for attestation of documents by the Principal may also be supplied alongwith Registration Returns.

v) Candidate(s) placed under compartment or allowed to re-appear in one subject only in Senior Secondary Certificate Examination (10+2 standard) of the Board of School Education, Haryana, or equivalent examination of another University/ Board may be allowed to read provisionally in the first semester of undergraduate courses B.A./B.Sc./B.Com./BBA/BCA/BMC etc. run by affiliated colleges (except Engg. and Management Colleges affiliated to the university) at his/her/their own risk/responsibility. An undertaking (**Appendix-B**) from such students to this effect must be taken prior to their admission in the college. **Provision of rules for respective courses, contained in the respective Ordinance/ Eligibility at (Appendix-A) shall be applicable on such candidate(s).** Further, at the time of admission, the students who have passed their qualifying examination will be considered for admission in aforesaid undergraduate course(s) first and thereafter for remaining vacant seats, if any, re-appear candidate will be considered in the last counseling. A separate list of all such students should be submitted to the University mentioning their details on prescribed format alongwith aforesaid undertaking taken from the students and the same must be accompanied by legible photocopies of the lower qualifying examination, duly attested by the authority as detailed above. Their registration in the university will also be provisional. For regularization of admission/registration of such students, photocopies of the certificates, duly attested, of the examination passed by the candidates(s) in supplementary as well as annual examination, be sent personally to Registration Branch immediately after the declaration of the result of the qualifying examination.

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GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
'A' Grade, NAAC Accredited State Govt. University

No. Acad./AC-I/2019/ 1854-1877
Dated: 17/5/19

To

The Principal
All affiliated Degree Colleges (Arts, Science, Commerce, Law and Education)
Guru Jambheshwar University of Science & Technology
Hisar

Subject:- Course-wise Eligibility Criteria for admission to UG/PG courses being run by the affiliated degree colleges (Arts, Science, Commerce, Law and Education) and Combination of Subjects (B.A. Part-I) for the academic session 2019-20 onwards.

Sir/Madam,

I am directed to inform you that the Vice-Chancellor, on the recommendations of a Committee constituted for this purpose, is pleased to approve the course-wise Eligibility Criteria for admission to UG/PG courses being run by the affiliated degree colleges/ institutes (Arts, Science, Commerce, Law and Education) and Combination of Subjects (B.A. Part-I) for the academic session 2019-20 onwards and the same is enclosed herewith for taking further necessary action regarding admissions of UG and PG courses in your colleges/ Institute(s) (copy enclosed).

You are, therefore, requested to follow the enclosed Eligibility Criteria and Combination of Subjects for admission to all UG/PG programmes for the academic session 2019-20 onwards.

Yours faithfully

Deputy Registrar (Academic)

DA/As above

Endst. No. Acad./AC-I/2019/ 1878-81

Dated: 17/5/19

Copy of the above is forwarded to the following for information and necessary action:-

1. Dean Academic Affairs, GJUS&T, Hisar.
2. Dean of Colleges, GJUS&T, Hisar
3. Assistant Registrar (Registration), GJUS&T, Hisar.
4. Secretary to Vice-Chancellor (for kind information of the Vice-Chancellor), GJUS&T, Hisar

Deputy Registrar (Academic)

Point 10 *

10. COMBINATION OF SUBJECTS

The combination of subjects offered by a candidate must be checked carefully with the provisions of the rules as contained in the relevant Scheme of Examinations before his/her admission is finalized. The responsibility of having allowed wrong combination of subjects/ papers to a candidate will rest entirely with the Principal of the College/ Departments concerned. The group wise combination for BA Part-I courses are as under:

Group-I	Group-II	Group-III	Group-IV	Group-V	Group-VI
Defence Studies, Hindi, Sanskrit, Urdu, Punjabi, Computer Science/ Computer Applications, (Economics w.e.f 2019-20)	Mathematics, Sociology, Social Work, Music (Vocal), Music (Instrumental), Music(Tabla), Health & Physical Education	Political Science, Statistics, Fine Arts, Human Rights, (Public Admn w.e.f 2019-20)	Geography, Home Science, Philosophy	History, A.I.H Culture & Archaeology,	(Psychology w.e.f 2019-20) Office Management*, Commercial Art*, Designing & Painting", Fruit Preservation, Applied Nutrition, Bakery, Tailoring & Hosiery, Rural Industrialization, Marketing, Functional Hindi, Tourism & Travel Mgt., Functional English, Early Childhood Care & Education, Mass Communication & Video Production, Fashion Designing, Agro Service

Note:

(i) Language offered as Compulsory subject shall not be offered as an Elective subject.

(ii) Further, the combination of the subjects to be notified by the University from time to time will also be applicable.

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Scheme for Theory Based Subjects
Guidelines for Scheme of examination of UG Course ENGLISH (COMPULSORY) (under semester system)

The Scheme of Examination of undergraduate (UG) Courses under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under 80: 20 (external: internal) for theory based courses. Pass percentage will be ....

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 20 marks based on the entire syllabus. It will comprise of ten short answer type questions of two marks each. Students are required to attempt any four questions out of remaining eight questions (these eight questions may be (in) up to four units depending on the subject). All remaining questions shall carry equal marks.

Scheme: 80:20 (external: internal)
1st question=20 marks (10 short answer type questions of two marks each)
Rest four questions: 15 marks each i.e. $4 \times 15 = 60$
Total = $(20+60) + 20 = 100$ marks

Components of Internal Assessment (Breakdown of 20 marks)

2 Assignments: 20 marks (10 marks each)

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Guru Jambheshwar University of Science & Technology, Hisar

B.A. (GENERAL) ENGLISH (COMPULSORY) (SEMESTER SYSTEM) SCHEME OF EXAMINATION
(TO BE INTRODUCED IN PHASED MANNER W.E.F. 2018-2019)
Syllabus and Courses of Reading
ENG 101: ENGLISH (Compulsory) - Part - I, Semester - I

External Marks: 80
Internal Assessment: 20
Time Allowed: 3 Hours

Note:- There will be five questions in all. First question will consist of ten short answer type questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry 15 marks each.

Text Prescribed — ENG 101: Literature and Language-I
Edited by: Loveleen Mohan, Randeep Rana and Jaibir Singh Hooda Publishers :
Orient Blackswan

SCHEME OF QUESTION PAPER
Note: The question paper will carry a maximum of 80 marks. The paper will have five questions as per details given below.

Q 1.   This question is compulsory and consist ten questions of two marks each.   20 Marks
Q 2.   This question will be designed to assess the understanding of the text by the students. The students
        shall answer any two out of the given four questions in about 150 words each).   15 Marks
Q 3.   (a) This question will be based on References to the Context. (one out of two)   5 Marks

        (b) This question will be based on vocabulary from the exercises following the chapters. The students shall attempt questions on vocabulary as directed. (e.g. framing sentences of their own or giving various forms of the given words, synonyms, antonyms, one word substitutes). The students shall answer any ten out of the given fifteen words.   10 Marks

Q.4.   (a) This question will be based on phonetic transcription given in the chapters in the textbook. The students shall transcribe eight words out of the given twelve.
        (For blind candidates only):- Word meaning of the words in glossary given at the end of the chapters. Students will be required to give meaning of any eight words out of given twelve words.   8 Marks
        (b) The students shall write one paragraph (in about 200 words) on any one of the four topics given.
                                                                                           7 Marks

Q 5.   (a) This part will be based on the use of tenses. The students shall attempt seven out of ten sentences.
                                                                                           7 Marks
        (b) This part will be based on parts of the speech. The students shall attempt eight out of twelve sentences.
                                                                                           8 Marks

Suggested Reading/Reference Books:

1. Azar, Betty, *Longman Fundamentals English Grammar* (Longman, 2003).
2. Hornby, A. S., *Oxford Advanced Learner's Dictionary* (Oxford University Press, 2015).
3. Lester, Mark, *English Grammar Drills* (McGraw-Hill, 2009).
4. Murphy, Raymond, *English grammar in use: a self-study guide* (Cambridge University Press, 1994).
5. Nesfield, J. C. *English Grammar Composition and Usage* (2001).
6. Nesfield, J. C. *Modern English Grammar* (MacMillan).
7. Swan, Michael, *Practical English Usage* (Oxford, 2013).
8. *The New Roget's Thesaurus in Dictionary Form* (Penguin).
9. Thomson, A. J., *A Practical English Grammar* (Oxford University Press, 1986).
10. Wood, F. T., *A Remedial English Grammar for Foreign Students* (MacMillan, 2015).

Guru Jambheshwar University of Science & Technology, Hisar

B.A. (GENERAL) ENGLISH (COMPULSORY) (SEMESTER SYSTEM) SCHEME OF EXAMINATION
(TO BE INTRODUCED IN PHASED MANNER W.E.F. 2018-2019)
Syllabus and Courses of Reading
ENG 102: ENGLISH (Compulsory) - Part - I, Semester - II

External Marks: 80
Internal Assessment: 20
Time Allowed: 3 Hours

Note:- There will be five questions in all. First question will consist of ten short answer type questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry 15 marks each.

Text Prescribed — ENG 102: Literature and Language-II

Edited by: Jaibir Singh Hooda, Randeep Rana and Loveleen Mohan. Publishers : Orient Blackswan

SCHEME OF QUESTION PAPER

Note: The question paper will carry a maximum of 80 marks. The paper will have five questions as per details given below.

Q 1.   This question is compulsory and consist ten short answer type questions of two marks each.

20 Marks

Q 2. This question will be designed to assess the understanding of the text by the students. The students shall answer any three out of the given five questions in about 150 words each).   15 Marks

Q 3. (a) Do as directed (Topics based on the following grammar topics covered in Semester-I : Articles, Prepositions, Adverbs, Adjectives & Conjunctions). Students will be required to attempt any Eight out of the given twelve.
8 Marks

   (b) Students will be required to give antonyms as well as synonyms of any seven out of the given ten words.
7 Marks

Q 4.   (a) Transcription of one/two syllabic words only from the words given in the exercises at the end of the chapters. Students will be required to transcribe any seven out of the given ten words.
(For blind candidates only):- Word meaning of the words in glossary given at the end of the chapters. Students will be required to give meaning of any seven words out of given ten words.   7 Mark
(b) Composition: Students will be required to write a paragraph in about 200 words on anyone of the four given topics of general nature.
8 Marks

Q 5.   This question will be based on the grammar exercises given in the text book. The sentences will not necessarily be the same as given in exercises. Students will be required to attempt any fifteen out of the given twenty.
15 Marks

Suggested Reading/Reference Books:

1. Azar, Betty, Longman Fundamentals English Grammar (Longman, 2003).
2. Hornby, A. S., Oxford Advanced Learner's Dictionary (Oxford University Press, 2015).
3. Lester, Mark, English Grammar Drills (McGraw-Hill, 2009).
4. Murphy, Raymond, English grammar in use: a self-study guide (Cambridge University Press, 1994).
5. Nesfield, J. C. English Grammar Composition and Usage (2001).
6. Nesfield, J. C. Modern English Grammar (MacMillan).
7. Swan, Michael, Practical English Usage (Oxford, 2013).
8. The New Roget's Thesaurus in Dictionary Form (Penguin).
9. Thomson, A. J., A Practical English Grammar (Oxford University Press, 1986).
10. Wood, F. T., A Remedial English Grammar for Foreign Students (MacMillan, 2015).

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Guru Jambheshwar University of Science & Technology, Hisar

Scheme for Theory Based Subjects

Guidelines for Scheme of examination of UG Course Hindi (Compulsory) (under semester system)

The Scheme of Examination of undergraduate (UG) Courses under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under 80: 20 (external: internal) for theory based courses. Pass percentage will be ....

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations, five questions are to be set by the examiner. The candidates shall attempt all five questions. First question will be compulsory of 20 marks based on the entire syllabus. It will comprise of ten short answer type questions of two marks each. Students are required to attempt rest four questions in which internal choice will be available. All remaining four questions shall carry equal marks i.e. 15 each.

Scheme: 80:20 (external: internal)

1st question=20 marks (10 short answer type questions of two marks each)

Rest four questions: 15 marks each i.e. 4 x 15=60

Total = (20+60) + 20 = 100 marks

Components of Internal Assessment (Breakdown of 20 marks)	
	2 Assignments: 10 marks each

18/11/2021

गुरू जम्भेश्वर विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, हिसार
बी.ए. प्रथम सेमेस्टर
HIC 101: हिन्दी अनिवार्य
समय 3 घण्टे   कुल अंक 100
लिखित परीक्षा 80 अंक   आन्तरिक मूल्यांकन 20 अंक

- मध्यकालीन काव्य कुंज
- हिन्दी साहित्य का आदिकाल
- काव्य षास्त्र पर आधारित विषय
- वस्तुनिष्ठ –
- पाठयक्रम में निर्धारित कवि – कबीरदास, सूरदास, तुलसीदास, मीराबाई, बिहारीलाल, घनानन्द, रसखान।
- पाठयक्रम में निर्धारित कवियों की सप्रसग व्याख्या एवं साहित्यिक परिचय पर परीक्षार्थियों से प्रश्न पूछे जाएगे।
- आलोचनात्मक प्रश्न – पाठयक्रम में निर्धारित कवियों के अनुभूतिगत वैषिश्टय तथा अभिव्यक्तिगत सौश्ठव पर ही परीक्षा में प्रश्न पूछे जाएगे।

- हिन्दी साहित्य का आदिकाल –
1. हिन्दी साहित्य इतिहास लेखन परम्परा।
2. हिन्दी साहित्य के इतिहास का काल विभाजन।
3. आदिकाल का नामकरण।
4. आदिकाल की परिस्थितियाँ।
5. रासो काव्य परम्परा और प्रवृतियाँ।
6. सिद्ध साहित्य परम्परा और प्रवृतियाँ।
7. नाथ साहित्य परम्परा और प्रवृतियाँ।
8. जैन साहित्य परम्परा और प्रवृतियों।
- काव्य षास्त्र पर आधारित विषय –
1. काव्य के तत्व।
2. रस का स्वरूप, अवयव।
3. रस के भेद।
4. रस निश्पति।
5. काव्यगुण – प्रसाद, माधुर्य, ओज।
6. षब्द षक्तियों – अभिधा, लक्षणा, व्यजना।
7. अलंकार – अनुप्रास, श्लेश, यमक, उपमा, रूपक, अतिष्योंक्ति, मानवीकरण, अन्योक्ति, समासोक्ति।
8. छन्द – दोहा, चौपाई, सोरठा, बरवै, कुण्डलिया, छप्पय, कवित्त, घनाक्षरी।

पाठयक्रम निर्देष और अंक विभाजन

1. सम्पूर्ण पाठयक्रम से 10 वस्तुनिश्ठ प्रश्न पूछे जाएगे। प्रत्येक प्रश्न के लिए 2 अंक होगें। पूरा प्रश्न 20 अंक का होगा। इस प्रश्न में कोई विकल्प नहीं दिया जाएगा। परीक्षार्थियों को 10 से 15 षब्दों में इसका उत्तर लिखना होगा।

2(क) पाठयक्रम में निर्धारित पुस्तक मध्यकालीन काव्य कुंज से व्याख्या के लिए चार प्रद्याष दिये जाएगे। परीक्षार्थियों को 2 प्रद्याषो की सप्रसग व्याख्या करनी होगी। प्रत्येक व्याख्या 5 अंक की होगी। पूरा प्रश्न 10 अंक का होगा।

(ख) पाठयक्रम में निर्धारित कवियों में से 2 का परिचय दिया जाएगा। परीक्षार्थियों को एक प्रश्न का उत्तर लिखना होगा। यह प्रश्न 5 अंक का होगा।

3(क) निर्धारित पाठय पुस्तक से 2 आलोचनात्मक प्रश्न दिए जाएंगे। परीक्षार्थी को एक प्रश्न का उत्तर देना होगा। इसके लिए निर्धारित अंक 7 होगे।

(ख) परीक्षार्थियों को 4 लघुतरी प्रश्नों में से 2 के उत्तर देने होंगे। प्रत्येक प्रश्न के लिए 4 अंक और पूरा प्रश्न 8 अंक का होगा।

4(क) आदिकाल पर आधारित 2 प्रश्नों में से परीक्षार्थियों को 1 प्रश्न का उत्तर देना होगा। जिसके लिए 7 अंक निर्धारित होगे।

(ख) आदिकाल पर आधारित 4 लघुतरी प्रान पूछे जाएगे। परीक्षार्थियों को 2 प्रश्नों के उत्तर लिखने होंगे। प्रत्येक प्रश्न के लिए 4 अंक होंगे। पूरा प्रश्न 8 अंक का होगा।

5(क) काव्यषास्त्र पर आधारित 2 प्रश्न दिए जालगे। परीक्षार्थियों को 1 प्रश्न का उत्तर लिखना होगा इसके लिए 7 अंक निर्धारित होगे।

(ख) इस प्रश्न में काव्यषास्त्र पर आधारित 4 लघुतरी प्रश्न पूछे जाएगे। परीक्षार्थियों को 2 प्रश्नों के उत्तर लिखने होंगे। प्रत्येक प्रश्न के लिए 4 अंक और पूरा प्रश्न 8 अंक का होगा।

18/11/2022

गुरू जम्भेश्वर विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, हिसार
बी.ए सेमेस्टर-2
HIC 102: हिन्दी अनिवार्य
समय 3 घण्टे   कुल अंक 100
लिखित परीक्षा 80 अंक   आन्तरिक मूल्यांकन 20 अंक

I. निर्धारित पाठ्यक्रम तव अंक विभाजन :–
L. ध्रुवस्वामिनी (नाटक) : जय षंकर प्रसाद।
हिन्दी साहित्य का भक्तिकाल।
व्यावहारिक हिन्दी।
वस्तुनिश्ठ प्रश्न।

I. ध्रुवस्वामिनी (नाटक) से आलोचनात्मक प्रश्न –
1. ध्रुवस्वामिनी नाटक का प्रतिपाद्य।
2. ध्रुवस्वामिनी नाटक की पात्र योजना।
3. ध्रुवस्वामिनी नाटक की अभिनेयता।
4. ध्रुवस्वामिनी नाटक की संवाद योजना।
5. ध्रुवस्वामिनी नाटक की भाशा षैली।
6. ध्रुवस्वामिनी नाटक का उद्देष्य।

I. हिन्दी साहित्य का भक्तिकाल
1. भक्तिकाल की परिस्थितियाँ।
2. संत काव्य की प्रवृतियाँ।
3. सूफी काव्य की प्रवृतियाँ।
4. राम काव्य की प्रवृतियाँ।
5. कृष्ण काव्य की प्रवृतियाँ।
6. भक्तिकाल : स्वर्णयुग।

I. व्यवहारिक हिन्दी:–
1. भाशा की परिभाशा।
2. भाशा के विविध रूप : बोली, मानक भाशा, राष्ट्र भाशा, माध्यम भाशा, मातृ भाशा।
3. मानक भाशा की प्रमुख प्रवृतियाँ।
4. हिन्दी वर्णमाला : स्वर एवं व्यंजन।
5. हिन्दी वर्तनी समस्या और समाधान।
6. मुहावरे एवं लोकोक्तियाँ।

पाठ्यक्रम निर्देष और अंक विभाजन

1. सम्पूर्ण पाठ्यक्रम से 10 वस्तुनिश्ठ प्रश्न पूछे जाएंगे। प्रत्येक प्रश्न के लिए 2 अंक होगें। पूरा प्रश्न 20 अंक का होगा। इस प्रश्न में कोई विकल्प नहीं दिया जाएगा। परीक्षार्थियों को 10 से 15 षब्दों में इसका उत्तर लिखना होगा।

2(क) निर्धारित पाठय पुस्तक से 4 अवतरण व्याख्या के लिए दिये जाएंगे इनमें से किन्ही दो की व्याख्या परीक्षार्थियों को करनी होगी। प्रत्येक व्याख्या के लिए 5 अंक और पूरे प्रश्न के लिए 10 अंक होगे।

(ख) ध्रुवस्वामिनी के नाटककार का परिचय, विषेशताल, नाट्य कला और योगदान पर 2 प्रश्न पूछे जाएंगे । परीक्षार्थियों को 1 प्रश्न का उत्तर देना होगा। इस प्रश्न के लिए निर्धारित अंक 5 होंगे।

3(क) निर्धारित पाठय पुस्तक एवं आलोचनात्क प्रश्नों में से 2 प्रश्न पूछे जाएंगे जिनमें से परीक्षार्थियों को 1 प्रश्न का उत्तर लिखना होगा। यह प्रश्न 7 अंक का होगा।

(ख) निर्धारित पाठय पुस्तक एवं आलोचनात्मक प्रश्नों में से 4 लघुतरी प्रश्न पूछे जाएंगे। इनमें से किन्ही 2 के उत्तर परीक्षार्थियों को लिखने होंगे। प्रत्येक प्रश्न 4 अंक का होगा और पूरा प्रश्न 8 अंक का होगा।

4(क) भक्ति काल पर आधारित 2 प्रश्न पूछे जाएंगे। परीक्षार्थियों को 1 प्रश्न का उत्तर लिखना होगा। इसके लिए 7 अंक होगें।

(ख) भक्तिकाल पर आधारित 4 लघुतरी प्रश्न पूछे जाएंगे। इसमें से परीक्षार्थियों को किन्हीं दो प्रश्नों के उत्तर लिखने होंगे। प्रत्येक प्रश्न 4 अंक का और पूरा प्रश्न 8 अंक का होगा।

5(क) व्यावहारिक हिन्दी पर आधारित पाठयक्रम से 2 प्रश्न पूछे जाएगें। परीक्षार्थियों को 1 का उत्तर लिखना होगा। इसके लिए 7 अंक निर्धारित होंगे।

(ख) व्यावहारिक हिन्दी पर आधारित 4 लघुतरी प्रश्न पूछे जाएंगे। परीक्षार्थियों को इनमें से किन्ही दो के उत्तर देने होंगे। प्रत्येक प्रश्न 4 अंक का और पूरा प्रश्न 8 अंक का होगा।

19/11/2022

Guru Jambheshwar University of Science and Technology, Hisar

Scheme for Theory Based Subjects

Guidelines for Scheme of examination of UG Course Political Science (under semester system)

The Scheme of Examination of undergraduate (UG) Courses under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under 80: 20 (external: internal) for theory based courses. Pass percentage will be ....

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 20 marks based on the entire syllabus. It will comprise of ten short answer type questions of two marks each. Students are required to attempt any four questions out of remaining eight questions (these eight questions may be (in) up to four units depending on the subject). All remaining questions shall carry equal marks.

Scheme: 80:20 (external: internal)

1st question=20 marks (10 short answer type questions of two marks each)

Rest four questions: 15 marks each i.e. 4 x 15=60

Total = (20+60) + 20 = 100 marks

Components of Internal Assessment (Breakdown of 20 marks)

2 Assignments: 10 marks each

Guru Jambheshwar University of Science and Technology, Hisar

B.A. (General) Part-I, Political Science (Semester-Wise) Scheme of Examination w.e.f. 2018-19

Option	Nomenclature	Class	Internal Assessment	External Marks	Total Marks	Time
One Option may be chosen from the following Groups:-						
Option-I	POL 101: Indian Constitution	Semester-I	20	80	100	3 Hrs
	POL 103: Indian Politics	Semester-II	20	80	100	3 Hrs

Syllabus and Courses of Reading w.e.f. 2018-19

Semester-I, Option-I: POL 101: Indian Constitution

External Max. Marks : 80
Internal Max. Marks : 20
Time : 3 Hrs.

Note:-

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The **Compulsory Question No.1** will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Unit-I   Indian Constitution-Evolution, Sources and Features, Preamble, Fundamental Rights, Fundamental Duties and Directive Principles of State Policy.

Unit-II   Union Legislature- Parliament-Composition and Functions; Speaker of Lok Sabha Amendment Process; State Legislature-Vidhan Sabha, Vidhan Parishad PanchayatiRaj Institutions. History, Basic Features and 73rd and 74th Amendments

Unit-III Union Executive - President, Vice-President, Prime Minister, Council of Ministers; State Executive- Governor, Chief Minister and Council of Ministers.

Unit-IV   Judiciary-Supreme Court, High Courts and Judicial Activism. Redressal and grievances Institutions; RTI, Lokpal and Lokyaukat

Readings

1. G. Austin, *The Indian Constitution: Corner Stone of a Nation*, Oxford, Oxford University Press, 1966.
2. G. Austin, *Working a Democratic Constitution: The Indian Experience*, Delhi, Oxford University Press, 2000.
3. D.D. Basu, *An Introduction to the Constitution of India*, New Delhi, Prentice Hall, 1994.
4. D.D. Basu and B. Parekh (ed.), *Crisis and Change in Contemporary India*, New Delhi, Sage 1994.
5. C.P. Bhambhri, *The Indian State: fifty years*, New Delhi, Shipra, 1997.
6. P. Brass, *Politics of India Since Independence*, Hyderabad, Orient Longman, 1990.
7. P. Brass, *Language, Religion and Politics in North India*, London, Cambridge University Press, 1974.
8. A. Chanda, *Federalism in India: A Study of Union-Sate Relations*, London, George Allen & Unwin, 1965.
9. S. Cobridge and J. Harriss, *Reinventing India: Liberalization, Hindu Nationalism and Popular Democracy*, Delhi, Oxford University Press, 2001.
10. B.L. Fadia, *State Politics in India*, 2 vols. New Delhi, Radiant Publishers, 1984.
11. R.L. Hardgrave, *India: Government and Politics in a Developing Nation*, New York, Harcourt, Brace and World, 1965.
12. N.G. Jayal (ed.), *Democracy in India*, Delhi, Oxford University Press, 2001.
13. S. Kaushik (ed.), *Indian Government and Politics*, Delhi University, Directorate of Hindi Implementation, 1990.
14. A. Kohli, *Democracy and Discontent: India's Growing Crisis of Governability*, Cambridge, Cambridge University Press, 1991.
15. R. Kothari, *Politics in India*, New Delhi, Orient Longman, 1970.
16. R. Kothari, *Party System and Election Studies*, Bombay, Asia Publishing House, 1967.
17. W.H. Morris Jones, *Government and Politics in India*, Delhi, BI Publications, 1974.
18. A.G. Noorani, *Constitutional Questions in India: The President, Parliament and theStates*, Delhi, Oxford University Press, 2000.
19. M. V. Pylee, *An Introduction to the Constitution of India*, New Delhi, 1998.
20. A. Ray, *Tension Areas in India's Federal System*, Calcultta, The World Press, 1970.
21. N.C. Sahni (ed.), *Coalition Politics in India*, Jullunder, New Academic PublishingCompany, 1971.
22. J.R. Siwach, *Dynamics of Indian Government & Politics*, New Delhi, Sterling Publishers, 1985.
23. Singh, M.P. and H. Roy (eds.), *Indian Political System: Structure, Policies, Development*, New Delhi, Jnanada Prakash, 1995.
24. R. Thakur, *The Government & Politics of India*, London, Macmillan, 1995.
25. Pankaj K.P. Shreyaskar, *RTI Act in India: Future and Implications*, Noida, Macgraw Higher Education, 2013
26. Madabhushi Sridhar, *RTI Use and Abuse*, Allahabad, Allahabad Law Agency, 2015
27. Niranjan Pani, *Grievences Management in India: Lokpal and Lokayukta*, New Delhi, Anmol Publisher, 2001

B.A. (General) Part-I, Political Science (Semester-Wise)Semester-
II, Option-I: POL 103: Indian Politics

Time : 3 Hrs.

Note:-

1. The question paper will consist of *nine* questions. The candidate shall attempt *five*questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The **Compulsory Question No.1** will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Unit-I   Federal: Nature and Features of Indian Federalism, Centre State Relations; Demand for State Autonomy; Emerging Trends in Indian Federalism, Working of NITI Ayog.

Unit-II   Election Commission, Electoral Process and its Defects and Voting Behaviour, Electoral Reforms, Problem of Defection.

Unit-III   Party System in India: Features, National and Regional Parties, and Defects. Coalitional Politics; Basis, Nature and Impact on Indian Polity. Pressure Groups.

Unit-IV   Role of Caste, Religion, Language, Regionalism and Ethnicity in India, Politics of Reservation, Emerging Trends and Challenges Before Indian Political System.

Readings

1.   G. Austin, *The Indian Constitution: Corner Stone of a Nation*, Oxford, Oxford University Press, 1966

2.   G. Austin, *Working a Democratic Constitution. The Indian Experience*, Delhi, OxfordUniversity Press, 2000.

3.   D.D. Basu, *An Introduction to the Constitution of India*, New Delhi, Prentice Hall, 1994.

4.   D.D. Basu and B. Parekh (ed.), *Crisis and Change in Contemporary India*, New Delhi, Sage 1994.

5.   C.P. Bhambhri, *The Indian State. fifty years*, New Delhi, Shipra, 1997.

6.   P. Brass, *Politics of India Since Independence*, Hyderabad, Orient Longman, 1990.

7.   P. Brass, *Language, Religion and Politics in North India*, London, Cambridge University Press, 1974.

8.   A. Chanda, *Federalism in India: A Study of Union-Sate Relations*, London, George Allen & Unwin, 1965

9.   S. Cobridge and J. Harriss, *Reinventing India. Liberalization, Hindu Nationalism andPopular Democracy*, Delhi, Oxford University Press, 2001.

10. B.L. Fadia, *State Politics in India*, 2 vols. New Delhi, Radiant Publishers, 1984.

11. R.L. Hardgrave, *India: Government and Politics in a Developing Nation*, New York,Harcourt, Brace and World, 1965.

12. N.G. Jayal (ed.), *Democracy in India*, Delhi, Oxford University Press, 2001.

13. S. Kaushik (ed.), *Indian Government and Politics*, Delhi University, Directorate of HindiImplementation, 1990.

14. A. Kohli, *Democracy and Discontent: India's Growing Crisis of Governability*, Cambridge, Cambridge University Press, 1991.

15. R. Kothari, *Politics in India*, New Delhi, Orient Longman, 1970.

16. R. Kothari, *Party System and Election Studies*, Bombay, Asia Publishing House, 1967.

17. W.H. Morris Jones, *Government and Politics in India*, Delhi, BI Publications, 1974

18. A.G. Noorani, *Constitutional Questions in India. The President, Parliament and theStates*, Delhi, Oxford University Press, 2000.

19. M.V. Pylee, *An Introduction to the Constitution of India*, New Delhi, 1998

20. A. Ray, *Tension Areas in India's Federal System*, Calcultta, The World Press, 1970.

21. N.C. Sahni (ed.), *Coalition Politics in India*, Jullunder, New Academic PublishingCompany, 1971.

22. J.R. Siwach, *Dynamics of Indian Government & Politics*, New Delhi, Sterling Publishers,1985.

23. Singh, M.P. and H. Roy (eds.), *Indian Political System: Structure. Policies, Development*,New Delhi, Jnanada Prakash, 1995.

24. R. Thakur, *The Government & Politics of India*, London, Macmillan, 1995.

25. Ved Parkash, *Terrorism in India*, New Delhi, Kalpaz publications, 2009

26. Kanti P. Bajpai, *Roots of Terrorism*, New Delhi, Penguin books India,2002

27. Bidyut Chakrabarty, *coalitional Politics in India*, New Delhi, Oxford, 2014

28. Mahinder Prasad Singh, Anil Mishra, *Coalitional Politics in India: Problems andProspects*, New Delhi, Manohar Publisher, 2004

29. N Jose Chander, *Coalitional Politics. Indian Experiences* Delhi, Concept PublishingCompany, 2004

30. Maya Chadda, *Ethnicity, Security and Separatism*, New York City, Columbia University Press, 1997

18/11/2022

Guru Jambheshwar University of Science & Technology, Hisar

Scheme for Theory Based Subjects

Guidelines for Scheme of examination of UG Course PUBLIC ADMINISTRATION (under smstrsystem)

The Scheme of Examination of undergraduate (UG) Courses under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under 80: 20 (external: internal) for theory based courses. Pass percentage will be ....

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 20 marks based on the entire syllabus. It will comprise of ten short answer type questions of two marks each. Students are required to attempt any four questions out of remaining eight questions (these eight questions may be (in) up to four units depending on the subject). All remaining questions shall carry equal marks.

Scheme: 80:20 (external: internal)

1st question=20 marks (10 short answer type questions of two marks each)

Rest four questions: 15 marks each i.e. 4 x 15=60

Total = (20+60) + 20 = 100 marks

Components of Internal Assessment (Breakdown of 20 marks)

2 Assignments: 10 marks each

Guru Jambheshwar University of Science & Technology, Hisar
B.A. Part-I: Public Administration
Semester – I
PA 101: Elements of Public Administration

Maximum Marks: 100
Time: 3 Hours

External Marks: 80
Internal Marks: 20

Note:-

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The **Compulsory Question No.1** will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Unit I:

Public Administration as a Discipline

* Meaning, Nature, Scope, Dimensions and Significance of the Discipline
* Its relations with Political Science, Management, Law and Economics
* Public and Private Administration
* Evolution of Public Administration with special focus on Minnow brook Conferences
* New Public Administration (NPA)

Unit II:

Organization and its Principles

* Organization: Meaning, Basis and Forms of Organizations
* Principles of Organization: Hierarchy, Unity of Command, Span of Control, Coordination
* Authority and Responsibility, Supervision and Control, Centralization, Decentralization and Delegation

Unit III:
Organization: Structure and Processes

- The Chief Executive: Meaning, Types, Functions and Role
- Line, Staff and Auxilary Agencies; Headquarter and Field Relationships.
- Decision-making
- Communication
- Leadership

Unit IV:
Emerging Perspectives -I

- State Vs. Market Debate – Public Choice Paradigm
- Governing the Commons: Common-Pool Resources (CPR)
- Development Administration: Meaning, Nature and Scope

Recommended Books & Readings

Allison, G. 1997. 'Public and Private Management', in Shafritz, J. and Hyde, A. (eds.) *Classics of Public Administration.* 4th Edition. Forth Worth: Hartcourt Brace. pp. 510-529

Arora, R.K. (Ed.). 1979. Perspective in Administrative Theory. New Delhi: Associated.

Avashti and Maheshwari. 2017. *Lok Prashashan.* Lakshmi Narain Agarwal Educational Publishers: New Delhi

Basu Rumki. 1994. *Public Administration. Concepts and theories.* Sterling Publishers: New Delhi.

Beauvoir, Simone De. 1988. *The Second Sex.* London: Picador. Bhagwan,

V. & Vidhya Bhushan: *Lok Prashashan*

Bhambhari, C.P. *Lok Prashashan*

Bhattacharaya, M. *New Dimensions of Public Administration* (Hindi medium)

Bhattacharya, M. 2006. 'Chapter 2 and 4', in *Social Theory, Development Administration and Development Ethics.* New Delhi: Jawahar Publishers.

Bhattacharya, M. 2008. *New Horizons of Public Administration.* 5th Edition. New Delhi: Jawahar Publishers, pp. 37-44.

Bhattacharya, M. 2012. *Public Administration: Issues and Perspective.* New Delhi: Jawahar Publishers

Chakrabarty, Bidyut and Chand, Prakash. 2012. *Public Administration in a Globalizing World: Theories and Practices.* Sage: New Delhi.

Denhart, R. B. & Denhart, J.V. 2000. "The New Public Service: Serving Rather Than Steering". *Public Administration Review,* Volume 60, No-6.

Dunleavy, P. and C.Hood. 1994. "From Old Public Administration to New Public Management". *Public Money and Management.* Vol. XIV, No-3.

Frederickson. H. 2004 'Toward a New Public Administration'. in J. Shafritz, & A. Hyde, (eds.) *Classics of Public Administration,* 5th Edition. Belmont: Wadsworth.

Henry, Nicholas Henry. 1999. *Public Administration and Public Affairs.* Prentice Hall Jaggar, Alison. 1983. *Feminist Politics and Human Nature.* Brighton: Harvester Press.

Koontz, H. & O'Donnell, C.1986. Principles of Management. 4th edition. Tokyo: McGraw Hill, Kumar, Radha. 1998. *The History of Doing.* New Delhi: Kali for Women.

Medury, U. *Public administration in the Globalization Era.* New Delhi: Orient Black.

Menon, Nivedita [ed.]. 1999. *Gender and Politics.* Delhi: Oxford University Press.

Osborne, D., & Gaebler. T. 1993. *Re-inventing Government. How the Entrepreneurial Spirit is* Ostrom, Elinor. 1990. *Governing the Commons: The Evolution of Institutions for Collective Action.* Cambridge: CUP

Ravindra Sharma: Lok Prashashan ke Tatwa

Rosenbloom, D., R. Kravchuk and R. Clerkin. 2009. *Public Administration. Understanding Management, Politics and Law in Public Sector,* 7th edition. New Delhi: McGraw Hill, pp. 1-40 Sharma, P.D. *Lok Prashashan: Siddhant Awam Vyavhar*

Stivers, Camila. 2002. *Gender Images in Public Administration.* California: Sage Publishers. *Transforming the Public Sector.* New York: Addison Wesley.

Tullock, G. 1987. *The Politics of Bureaucracy.* Washington, DC: Public Affairs Press Walby, Sylvia. 1997. *Theorizing Patriarchy.* Oxford: Basil Blackwell.

Wharton, Amy. S. 2012. *The Sociology of Gender.* West Sussex: Blackwell-Wiley Publishers Wilson, W. 2004. 'The Study of Administration'. in B. Chakrabarty and M. Bhattacharya (eds). *Administrative Change and Innovation: a Reader,* New Delhi: Oxford University Press, pp. 85-101

Guru Jambheshwar University of Science & Technology, Hisar
B.A. Part-1: Public Administration
Semester – II
PA 102: Basics of Public Administration

Maximum Marks: 100
Time: 3 Hours

External Marks: 80
Internal Marks: 20

Note:-

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The **Compulsory Question No.1** will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Unit I: Classical Theories of Organization

- Scientific Management (F.W.Taylor)
- Administrative Management (Fayol, Gullick, Urwick and Others)
- Ideal-Type Bureaucracy (Max Weber)

Unit II: Neo-Classical & Motivational Theories

- Human Relations Theory (Elton Mayo)
- Rational Decision-Making (Herbert Simon)
- Maslow's Hierarchy of Needs (Abraham Maslow)
- Two-Factor Theory (Herzberg)

Unit III : Contemporary Theories

- Ecological Approach (Fred Riggs)
- Innovation and Entrepreneurship (Peter Drucker)
- Models of Decision-Making (March & Olsen and Richard Thaler)

Unit IV: Emerging Perspectives -II

- Feminist Perspectives
- New Public Management (NPM)
- New Public Service (NPS)
- Public Policy: Concept, relevance and Approaches
- Formulation, Implementation and Evaluation (Special reference to India)

Recommended Books & Readings

Anderson, J. 1975. *Public Policy Making*. New York: Thomas Nelson & sons Ltd. Arora, R.K. (Ed.). 1979. Perspective in Administrative Theory. New Delhi: Associated.

Avashti and Maheshwari. 2017. Lok Prashashan. Lakshimi Narain Agarwal EducationalPublishers: New Delhi

B.L. Fadia. *Lok Prashashan*

Basu Rumki. 1994. *Public Administration: Concepts and theories*. Sterling Publishers: NewDelhi.

Bhambhari, C.P.. *Lok Prashashan*

Bhattacharya, M. 2008. *New Horizons of Public Administration*. 5th Edition. New Delhi: JawaharPublishers, pp. 37-44.

Bhattacharya, M. 2012. *Public Administration: Issues and Perspective*. New Delhi: JawaharPublishers

Bhattacharya, M. 2012. *Restructuring Public Administration: A New Look*. New Delhi: JawaharPublishers.

Blau, P.M. 1987. *Bureaucracy in Modern Society*. New York: Random House.

Chakrabarty, Bidyut and Chand, Prakash. 2012. *Public Administration in a Globalizing World: Theories and Practices*. Sage: New Delhi.

Chakrabarty, Bidyut and Chand, Prakash. 2012. *Public Administration in a Globalizing World: Theories and Practices*. Sage: New Delhi.

Denhart, R. B. & Denhart, J.V. 2000. "The New Public Service: Serving Rather Than Steering". *Public Administration Review*, Volume 60, No-6.

Dunleavy, P. and C.Hood. 1994. "From Old Public Administration to New Public Management". *Public Money and Management*. Vol. XIV, No-3.

Dunleavy, P. and Hood, C. 1994. "From Old Public Administration to New Public Management". *Public Money and Management*. Vol. XIV, No-3.

Fedrickenson, G. *et. al*. 2015. *The Public Administration Theory Primer*. 3rd Edition. WestviewPress

Flippo, E. 2008. *Principles of Personnel Management*. 4th Edition. Kogakusha: McGraw Hill. Lall, G.S. 1979. *Public Finance and Financial Administration in India*. New Delhi: Kapoor Government. of India. 2010. 2nd *Administrative Reforms*

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Commission. 10th Report: Refurbishing of Personnel Administration – Scaling New Heights. New Delhi: Manager of Publications.

Mary Jo Hatch and Ann L. Cunliffe. 2006. *Organisation Theory: Modern, Symbolic and Postmodern Perspectives.* Oxford University Press

Henry, Nicholas Henry. 1999. *Public Administration and Public Affairs.* Prentice Hall IBH Publishing

Howlett, M. and Ramesh, M. 2009. *Studying Public Policy: Policy Cycles and Policy Subsystem* OUP

Medury, U. *Public administration in the Globalization Era.* New Delhi: Orient Black Menon, Nivedita [ed.]. 1999. *Gender and Politics* Delhi: Oxford University Press.

Osborne, D., & Gaebler, T. 1993. *Re-inventing Government: How the Entrepreneurial Spirit is* Ostrom, Elinor. 1990. *Governing the Commons: The Evolution of Institutions for Collective Action.* Cambridge: CUP

R.V. Vaidyanatha Ayyar. 2009. *Public Policy Making in India.* Pearson.

Rosenbloom, D., R. Kravchuk and R. Clerkin. 2009. *Public Administration: Understanding Management, Politics and Law in Public Sector.* 7th edition. New Delhi: McGraw Hill, pp. 1-40 Shafritz, J. & Hyde, A. (eds.). 2008. *Classics of Public Administration,* 6th Edition, Belmont: Wadsworth Publishing.

Shafritz, J. & Hyde, A. (eds.). 2010. *Classics of Organisation Theory,* 7th Edition, Cengage Learning Silverman, D. (2008). The Theory of Organisations. London: Heinemann.

Stahl, O. Glenn. 1971. *Public Personnel Administration.* 6th Edition. New Delhi: Oxford and Stivers, Camila. 2002. *Gender Images in Public Administration.* California: Sage Publishers. Sury, M.M. 1990. *Government Budgeting in India.* New Delhi: Commonwealth Publishers

T. Dye. 1984. *Understanding Public Policy.* 5th Edition, Prentice Hall, (pp. 1-44) *The Oxford* Xun Wu, M.Ramesh, Michael Howlett and Scott Fritzen. 2010. *The Public Policy Primer: Managing The Policy Process.* Rutledge

Thavaraj, M.J.K.. 2001. *Financial Administration in India.* 6th edition. Delhi, Sultan Chand Wren, D.A. (2009). *The Evolution of Management Thought.* New York: Ronald.

Walby, Sylvia. 1997. *Theorizing Patriarchy.* Oxford: Basil Blackwell.

Wharton, Amy. S. 2012. *The Sociology of Gender.* West Sussex: Blackwell-Wiley Publishers

Guru Jambheshwar University of Science & Technology, Hisar

Scheme for Theory Based Subjects

Guidelines for Scheme of examination of UG Course HISTORY (under semester system)

The Scheme of Examination of undergraduate (UG) Courses under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under 80: 20 (external: internal) for theory based courses. Pass percentage will be ....

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 20 marks based on the entire syllabus. It will comprise of ten short answer type questions of two marks each. Students are required to attempt any four questions out of remaining eight questions (these eight questions may be (in) up to four units depending on the subject). All remaining questions shall carry equal marks.
Scheme: 80:20 (external: internal)
1st question=20 marks (10 short answer type questions of two marks each)
Rest four questions: 15 marks each i.e. 4 x 15=60
Total = (20+60) + 20 = 100 marks

Components of Internal Assessment (Breakdown of 20 marks)
2 assignments=10 marks each

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Guru Jambheshwar University of Science & Technology, Hisar

B.A. (GENERAL) HISTORY (SEMESTER SYSTEM)
B.A. (General) History – Part – I, Semester – I
SCHEME OF EXAMINATION
(TO BE INTRODUCED IN PHASED MANNER W.E.F. 2018-2019)
LIST OF PAPERS

Syllabus and Courses of Reading

Option –(i): HIS 101: Ancient India (From Earliest Times to Gupta Age)

Total Marks: 100   External Marks: 80

Time Allowed: 3 Hours   Internal Assessment: 20

Note :-

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The **Compulsory Question No.1** will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

3. The Map Question will be carrying 15 marks (10 for map work and 5 for explanatory note). For visually disabled candidates, the part relating to the explanatory note will carry full marks.

Unit- I

Meaning and Scope of History

Sources of Ancient Indian History

Pre-Historic Age: Hunter Gatherers, Concept of Neolithic

Harappan Civilization: Origins, Extent, Town Planning, Economy, Society, Arts, Political Organization and causes of decline.

Unit- II

Vedic Culture and Literature: Polity, Society & Religion

Social Institutions: Varna, Caste and Untouchability

Emergence of Sixteen Mahajanpas and the Rise of Magada Empire

Religious Movements: Causes of Rise of Religious movement, Buddhism and Jainism

Unit- III

Mauryan Empire: Polity and Economy, Administration; Ashoka's Dhamma

Post-Mauryan Empires: Kushanas and Satvahanas

Gupta Empire: Establishment and Expansion, Administration, Society, Economy, Art and Architecture

Unit-IV

Maps (India):

Important Sites of Harappan Civilization

Ashoka's Empire: Extent, Pillars and Edicts

Extent of Kanishka's Empire

Extent of Samudragupta's Empire

Ports and Urban Centers in Ancient India

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Suggested Readings:

Allchin, B.and Allchin, F.R. *Rise of Civilization in India and Pakistan* (Delhi : Select Book Services Syndicate, 1983)

Basham, A.L. *The Wonder That Was India* (Mumbai, Rupa, 1971)

Burton, Stein *History of India*, Oxford, New Delhi, 1998

Burton, Stein *Vijaya Nagar*, Cambridge , 1989

Chakrabarti, D.K. *India : An Archaeological History, Paleolithic beginnings to Early Historical Foundation* (Delhi OUP, 1999)

Dani, A.H. *Recent Archaeological Discovers in Pakistan* (Paris, UNESCO, 1998)

Harle, J.C. *Art and Architecture of the Indian Subcontinent* (Penguin, 1986)

Jha, D.N. and Shrimali, K.M. *Prachin Bharat Ka Itihas* (Delhi, 1990)

Kasambi, D.D. *Prachin Bhartiya Sabhyata Evam Sanskriti* (Hindi) (Delhi, Rajkamal)

Majumdar, R.C. et al. *History and Culture of the Indian People*, Vols. II, III, IV and V (Mumbai Bharatiya Vidya Bhavan Series, 1970, 1979, 1980)

Nilkanta Shastri, K.A. *A History of South India From Pre-Historic Times to the Fall of Vijaynagar* (Chennai, OUP, 1983)

Reddy, Krishna *World Ancient History*

Sharma, R.S. *Aspects of Political Ideas and Institution in Ancient India* (Delhi, Motilal Banarsidas, 1991)

Sharma, R.S. *India's Ancient Past*

Sharma, R.S. *Bharat Ka Prachin Itihaas*

Singh, Upinder Political Violence in Ancient India

Thapar, B.K. *Recent Archaeological Discoveries in India* (Paris, UNESCO, 1985)

Thapar, Romila *History of India*, Vol. I, Pelican, 1966

Thapar, Romila *From Lineage to State : Social Formations in the Mid-first Millennium BC in the Ganga Valley.*, Bombay : Oxford, 1984

Thapar, Romila *Aarambhik Bharat Ka Itihas* (Delhi, Rajkamal)

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Guru Jambheshwar University of Science & Technology, Hisar

B.A. (GENERAL) HISTORY (SEMESTER SYSTEM)

B.A. (General) History – Part – I, Semester – II

SCHEME OF EXAMINATION, LIST OF PAPERS

(TO BE INTRODUCED IN PHASED MANNER W.E.F. 2018-2019)

Syllabus and Courses of Reading

Option – (i): HIS 103: History of India (600-1526 A.D.)

Total Marks: 100

Time Allowed: 3 Hours

External Marks: 80

Internal Assessment: 20

Note :-

1. The question paper will consist of **nine** questions. The candidate shall attempt **five** questions in all. The Question No. 1 will be **compulsory**. The Candidate shall attempt four more questions selecting at least one from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The **Compulsory Question No.1** will be short answer type questions containing **ten** questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other question will carry the 15 marks each.

3. The Map Question will be carrying 15 marks (10 for map work and 5 for explanatory note). For visually disabled candidates, the part relating to the explanatory note will carry full marks.

Unit- 1

Post-Gupta Period up to 750 A.D.: Pushyabhutis and Chalukyas

Polity and Economy (750- 1206 A.D.), Tri-Parties Struggle Pratiharas; Palas and Rashtrakutas &Cholas; Indian form of Feudalism.

Socio-Cultural Trends: Society, Culture and Literature during 600-1206 A.D.

Unit-II

Turk's Invasions on India: Mahmud Ghaznavi and Muhammad Ghori

Rise and Expansion of Delhi Sultanate: Iltutmish, Balban, Ala-ud-din Khilji and Muhammad Tughlaq

Down Fall and Fragmentation of Delhi Sultanate

Unit-III

Bahmani and Vijaynagar Kingdoms in South India.

Delhi Sultanate: Administration, Ruling Classes and Society Economic

Developments during Delhi Sultanate

Religion and Culture: Bhakti and Sufi Movements, Art and Architecture.

Unit-IV

Maps (India):

Extent of Harsha's Empire

Extent of Ala-ud-din Khiji's Empire Extent of

Muhammad Tughlaq's Empire Extent of Vijaynagar

Empire

Urban Centers under the Delhi Sultanate

Suggested Readings:

Life and Conditions of the People of Hindustan (Delhi, 1965)

Hindustan Ke Nivasiyon Ka Jivan Aur Paristhitiyan (Hindi)

Basham, A.L.   *The Wonder That Was India* (Mumbai, 1971)

Brown, Percy   *Indian Architecture* Vol. - 1 (Mumbai 1984)

Burton, Stein   *History of India* (Oxford, 1998)

Burton, Stein   *Vijayanagar* (Cambridge , 1989)

Economic History of Northern India 700-1200 (Delhi, 1989)

Habib, Muhammad and   *Comprehensive History of India*, Vol. V (Delhi, 1970)

Nizami, K.A.,*Art and Architecture of the Indian Subcontinent* (Penguin, 1986)

Jackson, Peter   *The Delhi Sultanate*, (Cambridge, 2001)

Jha, D.N. and Shrimali, K.M.   *Prachin Bharat Ka Itihas* (Hindi) (Delhi, 1990)

Kulke, H and Rothenmund, D.   *History of India* (London, 1998)

Majumdar, R.C. et al.   *History and Culture of the Indian People*, Vols. II and V

(Mumbai, 1970, 1980)

Panday, A.B.   *Early Medieval India*, (Allahabad, 1970)

Panday, Vimal Chander   *Prachin Bharat Ka Rajnatik Tatha Sanskritik Itihas*, Bhag

– 2 (Hindi) (Allahabad, 1994)

Rizvi, S.A.A   *The Wonder That Was India*, Vol. 2, (London 1987)

Medieval India from the Sultanate to the Mughals (Delhi, 1997)

Satish Chandra   *Madhya Kalin Bharat : Rajniti, Samaj Aur Sanskirti*

(Hindi) (Delhi, 2007)

Sharma, R.S.   *Aspects of Political Ideas and Institutions in Ancient India*

(Delhi, 1991)

Shastri, K.A. Nilkanta   *A History of South India From Pre-Historic Times to the*

Fall of Vijaynagar (Chennai, 1983)Shastri, K.A.N. *History of South India* (Delhi, 1975)

Thapar, Romila   *A History of India*, Vol. I, (1966)

Verma, Harish Chandra (ed.)   *Madhyakalin Bharat*, Vol-1, Delhi

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Guru Jambheshwar University of Science & Technology, Hisar

Scheme for Theory + Practical Based Subjects

Guidelines for Scheme of examination of UG Course Mathematics-B.A. Pass course(under semester system)

The Scheme of Examination of undergraduate (UG) Courses (Theory-70 marks (Two Papers) + Practical-30 marks Based Subjects) under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under (50+20) + 30 (External + Internal + Practical) for practical based courses. Pass percentage will be ...

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations regarding practical subjects, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 05 marks based on the entire syllabus. It will comprise of five short answer type questions of one mark each. Students are required to attempt any four questions out of remaining eight questions (these eight questions may be (in) up to four units depending on the subject). All remaining questions shall carry equal marks.
Scheme: [25 Paper-I+25 Paper-II+(10+10)] +30 [External + (Internal) + Practical]
1st question=05 marks (05 short answer type questions of 1 mark each)
Rest four questions: 05 marks each i.e. 4 x 05=20
Total = (25+10+25+10) + 30 = 100 marks
Components of Internal Assessment **2 Assignments = 10 marks each**

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BA Mathematics
Semester-I
BAMH-111: ALGEBRA

Marks (External Exams) : 25 Marks (Internal Assessment): 10   Time: 3 Hours

Note. The examiner is requested to set **nine questions** in all, selecting two questions from each Unit. Candidates are required to attempt five questions in all. Question no. 1 is compulsory and is based on entire syllabus consisting of five short answer type questions each of **one mark**. Candidates are required to attempt four questions from units I to IV, selecting one question from each Unit, each question carries **five marks**.

Course Objective	Course Outcome
The course on Algebra deals with advance topics on matrices viz rank, eigen values and homogeneous and non homogeneous systems, solution of cubic and bi-quadratic equations.	The student will be able to find the rank, eigen values of matrices and solve the homogeneous and non homogeneous systems, solution of cubic and bi- quadratic equations.

Unit-I

Symmetric, Skew symmetric, Hermitian and skew Hermitian matrices. Elementary Operations on Matrices. Rank of matrices. Inverse of a matrix. Linear dependence and independence of rows and columns of matrices. Row rank and column rank of a matrix. Eigenvalues, Eigenvectors and the characteristic equation of a matrix. Minimal polynomial of a matrix. Cayley Hamilton Theorem and its use in finding the inverse of a matrix.

Unit-II

Applications of matrices to a system of linear (both homogeneous and non– homogeneous) equations. Theorems on consistency of a system of linear equations. Unitary and Orthogonal Matrices, Bilinear and Quadratic forms. Canonical Form of a Bilinear form. Matrix notation of Bilinear and Quadratic Form. Linear Transformation of a Quadratic form. Langrange's method of Diagonalization. Factorable Quadratic Form. Sylvester's Criterion.

Unit-III

Relations between roots and coefficients of general polynomial equation in one variable. Synthetic Division. Remainder Theorem and factor Theorem. Solutions of polynomial equations having conditions on roots. Common roots and multiple roots. Transformation of equations.

Unit-IV

Nature of the roots of an equation. Solutions of cubic equations (Cardan's Method). Solution of Biquadratic equations (Descarte's Method, Ferran's Method). Descarte's rule of signs for Polynomial. Location of roots in an interval.

Books Recommended :

1. H.S. Hall and S.R. Knight: Higher Algebra, H.M. Publications .
2. Shanti Narayan   : A Text Book of Matrices. S Chand & Co Ltd.
3. Chandrika Prasad   :A Text Book on Algebra and Theory of Equations. Pothishala Private Ltd., Allahabad.

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BA Mathematics
Semester-I
BAMH-112: CALCULUS

Marks (External Exams) : 25   Marks (Internal Assessment): 10   Time: 3 Hours

Note. The examiner is requested to set **nine questions** in all, selecting two questions from each Unit. Candidates are required to attempt five questions in all. Question no. 1 is compulsory and is based on entire syllabus consisting of five short answer type

questions each of **one mark**. Candidates are required to attempt four questions from units I to IV, selecting one question from each Unit, each question carries **five marks**.

Course Objective	Course Outcome
The course on differential and Integral Calculus deals with some important concepts of limit, continuity, differentiability of functions and tracing of curves, reduction formulae, rectification, quadrature and volume of solids of revolution.	The student will be able to understand basic properties of Limit, continuity and derivability of functions, series expansion indeterminate forms, tracing of curves, reduction formulae, rectification, quadrature and volume of solids of revolution.

Unit-I

$\varepsilon - \delta$ **definition** of continuity of a function. Basic properties of limits; continuous functions and classification of discontinuities. Successive differentiation. Lebnitz Theorem. Maclaurin and Taylor series expansions.

Unit-II

Asymptotes in Cartesian coordinates, intersection of curve and its asymptotes. Asymptotes in polar coordinates. Curvature , radius of curvature for Cartesian curve, parametric curves, polar curves. Newton's Method. Radius of curvature for pedal curves. Tangential polar equations. Centre of curvature. Circle of curvature. Chord of curvature, Evolutes. Test for concavity and convexity. Singular points. Points of inflexion. Multiple points. Cusps, nodes & conjugate points. Species of cusps.

Unit-III

Tracing of curves in cartesian, parametric and polar co-ordinates. Reduction formulae. Derivation of reduction formulae by connecting with other integral. Rectification, length of curves in Cartesian, parametric and polar curves, intrinsic equations of curves from cartesian, parametric and polar curves.

Unit-IV

Quadrature and Sectorial Area. Area bounded by closed curves. Area enclosed by curves in polar form. Volumes and Area of solids of revolution. Volume bounded between two solids. Volume formula for parametric curves. Theorems of Pappu's and Guilden.

Books Recommended

1. H. Anton, I. Birens and S. Davis, Calculus, John Wiley and Sons, Inc.
2. G.B. Thomas and R.L. Finney, Calculus, Pearson Education.
3. T.M. Apostal: Calculus, vol. 1, John Wiley and Sons (Asia).
4. Shanti Narayan, Differential and Integral Calculus.
5. Murray R. Spiegel . Theory and Problems of Advanced Calculus. Schaun's
6. Outline series. Schaum Publishing Co., New York.
7. Gorakh Prasad : Differential Calculus. Pothishasla Pvt. Ltd., Allahabad.

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BA Mathematics
Semester-I
BAMH-113: Mathematics Lab- I

Marks for External Exams: 30   Time: 3 Hours

Course Objective	Course Outcome
The course on Practical deals with some important concepts of Programming in C.	The student will be able to solve and calculate the mathematical problems through programming.

Part A:

Introduction to Programming in C. Data types, Operators and expressions, Input / outputs functions. Decision control structure: Decision statements, Logical and conditional statements, Implementation of Loops, Switch Statement & Case control structures.

Part B:

Programs based on simple arithmetic:

1. Program to Calculate Simple Interest
2. Program to Calculate Compound Interest
3. Program to Calculate Arithmetic mean of three numbers
4. Program to calculate area of triangle by Heron's Formula
5. Program to calculate area and perimeter of a circle
6. Program to check whether the number is odd or even
7. Program to find the roots of a quadratic equation
8. Program to calculate greatest of three numbers
9. Program to reverse the digits of a positive number
10. Program to check whether a number is prime or not
11. Program to convert decimal to binary
12. Program to generate first n prime numbers.
13. Program to check a year Leap or not.
14. Program to find the sum of first n natural numbers
15. Program to find sum of first n terms of an AP
16. Program to find sum of first n terms of a GP.
17. Program to generate a pyramid
18. Program to find simple interest using switch statement.
19. Program to prepare electricity Bill
20. Program to calculate Gross Salary of an Employee

Note: Every student will have to prepare a file to maintain practical record of the problems solved and the computer program done during practical class work. Examination will be conducted through a question paper set jointly by an external and internal examiner. An examinee will be asked to write solutions in the answer books. An examinee will be asked to run (execute) two programs on a computer. Evaluation will be made on the basis of the examinees' performance in written solutions/ programs, execution of computer programs and viva-voce examination.

Books Recommended:

1. B.W. Kernighan and D.M. Ritchie : The C Programming Language, 2nd Edition

2. V. Rajaraman : Programming in C, Prentice Hall of India.

3. Byron S. Gottfried: Theory and Problems of Programming with C, Tata McGraw-Hill Publishing Co. Ltd.

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BAMH-121: ORDINARY DIFFERENTIAL EQUATIONS AND LAPLACE TRANSFORMS

Marks (External Exams) : 25   Marks (Internal Assessment): 10   Time: 3 Hours

Note. The examiner is requested to set **nine questions** in all, selecting two questions from each Unit. Candidates are required to attempt five questions in all. Question no. 1 is compulsory and is based on entire syllabus consisting of five short answer type

questions each of **one mark**. Candidates are required to attempt four questions from units I to IV, selecting one question from each Unit, each question carries **five marks**.

Course Objective	Course Outcome
The course on ordinary differential equations and Laplace Transforms deals with some important concepts Exact differential equations, Orthogonal trajectories, Linear differential equations with variable & constant coefficients and solution of ordinary differential equations using Laplace Transforms.	The student will be able to understand basic properties of differential equations, Orthogonal trajectories, Linear differential equations. Apart from this the students will able to solve ODEby Transformation of the equation by changing the dependent variable/ the independent variable. Solution by operators of non- homogeneous linear differential equations. Reduction of order of a differential equation. Method of variations of parameters. Solution of Simultaneous Differential Equations and Total Differential Equations. Also able to understand basic properties of Laplace and Inverse Laplace Transforms and solution of ordinary differential equations using Laplace Transform

Unit – I

Geometrical meaning of a differential equation. Exact differential equations, integrating factors. First order higher degree equations solvable for x,y,p Lagrange's equations, Clairaut's equations. Equation reducible to Clairaut's form. Singular solutions.

Unit – II

. Orthogonal trajectories: in Cartesian coordinates and polar coordinates. Self orthogonal family of curves. Linear differential equations with constant coefficients. Homogeneous linear ordinary differential equations. Equations reducible to homogeneous.

Unit – III

Linear differential equations of second order. Reduction to normal form. Transformation of the equation by changing the dependent variable/ the independent variable. Solution by operators of non-homogeneous linear differential equations.Reduction of order of a differential equation. Method of variations of parameters.Ordinary simultaneous differential equations. Solution of simultaneous differential equations.

Unit – IV

Laplace Transforms –Existence theorem for Laplace transforms, Linear property of the Laplace transform, Shifting theorems, Laplace transform of derivatives and integrals, Differentiation and integration of Laplace transforms, Convolution theorem, Inverse Laplace transform, convolution theorem, Inverse Laplace transform of derivatives, solution of ordinary differential equations using Laplace transform.

Books Recommended :

1. D.A. Murray : Introductory Course in Differential Equations. Orient Longaman (India) .
2. A.R.Forsyth : A Treatise on Differential Equations, Machmillan and Co.Ltd. London
3. E.A. Codington : Introduction to Differential Equations.
4. S.L.Ross   : Differential Equations, John Wiley & Sons.
5. B.Rai & D.P. Chaudhary : Ordinary Differential Equations; Narosa, Publishing House Pvt. Ltd.
6. M.D. Raisinghania :Ordinary and Partial Differential Equations.
7. Dyke,Phil   : An introduction to Laplace Transforms and Fourier Series,Springer Undergraduate Mathematics Series.
8. Murray Spiegel: Schaum's Outline of Laplace Transform. McGraw-Hill Education.

BA Mathematics
Semester-II
BAMH-122: VECTOR CALCULAS AND GEOMETRY

Marks (External Exams) : 25   Marks (Internal Assessment): 10   Time: 3 Hours

Note. The examiner is requested to set **nine questions** in all, selecting two questions from each Unit. Candidates are required to attempt five questions in all. Question no. 1 is compulsory and is based on entire syllabus consisting of five short answer type

questions each of **one mark**. Candidates are required to attempt four questions from units I to IV, selecting one question from each Unit, each question carries **five marks**.

Course Objective	Course Outcome
The course on Vector Calculus and Geometry deals with topics on vectors and geometry viz. directional derivatives, gradient, curl, two and three dimensional geometry.	The student will be able to find directional derivatives, gradient, curl, Laplasian operator, two and three dimensional geometry.

Unit – I

Scalar and vector product of three vectors, product of four vectors. Reciprocal vectors. Vector differentiation Scalar Valued point functions, vector valued point functions, derivative along a curve, directional derivatives. Gradient of a scalar point function, geometrical interpretation of grad Divergence and curl of vector point function. Gradient, divergence and curl of sums and product and their related vector identities. Laplacian operator.

Unit – II

Vector integration: Indefinite Integral, Definite Integral, Standard results of Integration. Line integral, Surface integral, Volume integral. Gauss Divergence Theorem, Divergence Theorem in Cartesian Co-ordinates, Green Theorem, Stoke's Theorem(Relation between line integral Surface Integral). Stoke's Theorem in Cartesian form. Green's Theorem in Plane as special case of Stoke's Theorem.

Unit – III

General equation of second degree. Tracing of conics. System of conics, confocalconics. Tangent at any point to the conic, chord of contact, pole of line to the conic, director circle of conic. Polar equation of a conic, tangent and normal to the conic.

Unit -IV

Sphere: Plane section of a sphere. Sphere through a given circle. Intersection of two spheres, radical plane of two spheres. Co-axial system of spheres. Cones: Right circular cone. Enveloping cone and reciprocal cone.Cylinder: Right circular cylinder and enveloping cylinder.

Books Recommended:

1. Murrary R. Spiegal : Theory and Problems of Advanced Calculus, Schaum,Publishing Company, New York.
2. Murrary R. Spiegal : Vector Analysis, Schaum Publisghing Company, New York.
3. N. Saran and S.N. Nigam: Introduction to Vector Analysis, Pothishala Pvt. Ltd., Allahabad.
4. Shanti Narayna : A Text Book of Vector Calculus. S. Chand & Co., New Delhi.

BA Mathematics
Semester-II
BAMH-123: Mathematics Lab- II

Marks for External Exams: 30   Time: 3 Hours

Course Objective	Course Outcome
The course on Practical deals with some important concepts of Programming in C.	The student will be able to solve and calculate the mathematical problems through programming.

Part A: Introduction to Programming in C

Introduction to Functions, Advantages of functions, Function definition and body, Nesting of Functions, Arrays, one dimensional array, two dimensional arrays, Multi- dimensional arrays, Passing arrays to functions. Strings : Character data type, Standard string handling functions, arithmetic operations on characters, Pointers: Definition, Association, Pointers and arrays. Structures: definition, declaration, arrays and structures .

Part B:

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1. Program to add two matrices.
2. Program to multiply two matrices.
3. Program to find the inverse of a matrix.
4. Program to find transpose of a matrix.
5. Program to find the sum of a series. Trigonometric series: sin(x), cos(x), tan(x), etc.
6. Program to sort an entire array using bubble short.
7. Program to find trace of 3X3 Matrix.
8. Program to find largest of three numbers using function.
9. Program to find factorial of a number using recursion.
10. Program to generate n fabonacci terms using recursion.
11. Program to count number of vowels and consonants in a given sentence.
12. Program to print a salary chart for employee of a company.

Note: Every student will have to prepare a file to maintain practical record of the problems solved and the computer program done during practical class work. Examination will be conducted through a question paper set jointly by an external and internal examiner. An examinee will be asked to write solutions in the answer books. An examinee will be asked to run (execute) two programs on a computer. Evaluation will be made on the basis of the examinees' performance in written solutions/ programs, execution of computer programs and viva-voce examination.

Books Recommended:

1. B.W. Kernighan and D.M. Ritchie : The C Programming Language, 2nd Edition
2. V. Rajaraman : Programming in C, Prentice Hall of India.
3. Byron S. Gottfried : Theory and Problems of Programming with C, Tata McGraw-Hill Publishing Co. Ltd.
4. E. Balagurusamy : Programming in ANSI C., Tata McGraw-Hill Publishing Co.Ltd.

*Note: For more reference regarding scheme & syllabi ** (BA Arts/General) see below on University Website- gjust.ac.in*

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
'A' Grade, NAAC Accredited
**Index for the Subjects of B.A./B.A.(H)/M.A.
w.e.f. the academic session 2018-19

Sr. No.	Scheme and Syllabi of Subjects	Page No.
—	B.A. 1st to 3rd Year (1st to 6th sem)	—

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GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)

'A' Grade, NAAC Accredited State University

No. Acad./AC-III/F-27& 40/2018/ 5585
Dated: 12/x/18

To

The Controller of Examinations,
GJUS&T, Hisar.

Sub: Approval of scheme of examinations and syllabi of Economics - (1st to 6th semester) as a subject in B.A. course being run by affiliated Degree Colleges w.e.f. 2018-19 at UG level course w.e.f. 2018-19.

Sir,

I am directed to inform you that the Vice-Chancellor, on the recommendations of BOS&R in Haryana School of Business (HSB) vide resolution no. 1 in its meeting held on 13.07.2018 and Dean, School/ Faculty of Haryana School of Business and further clarification by Director, HSB in the matter, is pleased to approve the scheme of examinations & syllabi of Economics -- (1st to 6th semsester) as a subject in B.A. course being run by affiliated Degree Colleges w.e.f. 2018-19 under Section 11(5) of University Act, 1995 in anticipation of approval of the Academic Council.

Therefore, you are requested to take further necessary action in this regard.

Deputy Registrar (Academic)
for Registrar

DA: as above

Endst. No.Acad./AC-III/F-27 & 40/2018/ 5586-5604 Dated: 12/x/18

1. Director, Haryana School of Business, GJUS&T, Hisar, with the request to got upload the scheme & syllabi of above said subject on the website of the University.

2. All Principals of concerned affiliated degree colleges of District, Hisar (alongwith copy of scheme of examinations and syllabi of Economics – (1st to 6th semsester) as a subject in B.A. course to be implemented w.e.f the academic session 2018-19)

Deputy Registrar (Academic)
for Registrar

Scheme of Economics Course in B.A. under Semester System w.e. f. 2018-19 in Phased Manner

Guru Jambheshwar University of Science and Technology, Hisar

Bachelor of Arts (B.A.) Economics

(Semester-wise Syllabus, 2018-19 Onwards)

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Guru Jambheshwar University of Science and Technology, Hisar

Scheme for Theory Based Subjects

Guidelines for Scheme of examination of Economics Course (under semester system)

The Scheme of Examination of undergraduate (UG) Courses under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under 80: 20 (external: internal) for theory based courses. Pass percentage will be ....

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 20 marks based on the entire syllabus. It will comprise of ten short answer type questions of two marks each. Students are required to attempt any four questions out of remaining eight questions (these eight questions may be (in) up to four units depending on the subject). All remaining questions shall carry equal marks

Scheme: 80:20 (external: internal)

1ˢᵗ question–20 marks (10 short answer type questions of two marks each)

Rest four questions: 15 marks each i.e. 4 x 15=60

Total = (20+60) + 20 = 100 marks

	Components of Internal Assessment (Breakdown of 20 marks)
(a)	Class Test: 5 marks
(b)	Assignment: 5 marks
(c)	Participation in Class Discussions: 3 marks
(d)	Term Paper/written test/2ⁿᵈ assignment: 5 marks
(e)	Attendance: 2 marks*

*Weightage of 2 marks for **Attendance** component out of 20 marks for Internal Assessment shall be available only to those students who attend **75% and more** of classroom lectures. The break-up of marks for **attendance component** for theory papers shall be as under:

(a) 75% and above up to 85%: 1 mark

(b) Above 85%: 2 marks

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Scheme of Economics Course in B.A. under semester system w. e. f. 2018-19 in phased manner

The candidate who opts for Economics course in his/her B.A. pass course will have to follow the following scheme:

Scheme of Economics Course in B.A. under Semester System w. e. f. 2018-19		External Marks	Internal Marks	Total Marks	Time
1st. YEAR W.E.F. (2018-19)	SEMESTER-I	External Marks	Internal Marks	Total Marks	Time
BECO-101	Principles of Microeconomics-I	80	20	100	3 Hrs.
	SEMESTER-II				
BECO-201	Principles of Microeconomics-II	80	20	100	3 Hrs.
2nd. YEAR W.E.F. (2019-20)	SEMESTER-III				
BECO-301	Principles of Macroeconomics-I	80	20	100	3 Hrs.
	SEMESTER-IV				
BECO-401	Principles of Macroeconomics-II	80	20	100	3 Hrs.
3rd. YEAR W.E.F. (2020-21)	SEMESTER-V (Candidate has to opt one paper from the options in Group-1)				
Group-1	BECO-501:Money and Banking	80	20	100	3 Hrs.
	BECO-502: International Economics	80	20	100	3 Hrs.
	BECO-503: Economics of Development	80	20	100	3 Hrs.
	SEMESTER-VI (Candidate has to opt one paper from the options in Group-2)				
Group-2	BECO-601: Economic Development and Policy in India	80	20	100	3 Hrs.
	BECO-602 :Public Finance	80	20	100	3 Hrs,
	BECO-603: Environmental Economics	80	20	100	3 Hrs.

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B.A. Part - 1 (Economics)
Semester-1
BECO-101: Principles of Microeconomics-I

External Maximum Marks: 80
Internal Maximum Marks: 20
Time: 3Hrs

Course Description

This course intends to expose the student to the basic principles in Microeconomic Theory. In this paper, student is expected to understand the behaviour of an economic agent, namely, a consumer and a producer.

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.
2. The Compulsory Question No.1 will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit-I

Economics: Definition, Nature, Scope. Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier; economic systems. Demand and supply: law of demand, determinants of demand, shifts of demand versus movements along a demand curve, market demand, law of supply, determinants of supply, shifts of supply versus movements along a supply curve, market supply, and market equilibrium. Applications of demand and supply: price rationing, price floors, consumer surplus, producer surplus. Elasticity: types, methods and determinants of price elasticity

Unit-II

Consumer behaviour: concept of utility, diminishing marginal utility, Diamond-water paradox, income and substitution effects; Consumer choice: indifference curves, derivation of demand curve from indifference curve and budget constraint.

Unit-III

Production: behaviour of profit maximizing firms, production process, production functions, law of variable proportions, choice of technology, isoquant and isocost lines, cost minimizing equilibrium condition. Supply curve & elasticity of supply.

Unit-IV

Cost Analysis: costs in the short run and in the long run (traditional and modern approach), accounting and economic costs, actual costs and opportunity Costs; Revenue: total, average and marginal revenue. Break even analysis and its uses.

Suggested Readings:

Case, Karl E. & Ray C. Fair, *Principles of Economics*, Pearson Education, Inc., 12ᵗʰ edition, 2016.

N. Gregory Mankiw, *Principles of Economics*, South-Western College; 8th Edition(2017)

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J.E. Stiglitz and G.E. Walsh, *Principles of Economics*, W.W Norton & Co. N.Y.

Paul Samuelson and Nordhaus, *Economics*, Tata McGraw Hill Publishing Company, New Delhi. 19th Edition (2009)

Alec Chrystal Richard Lipsey, *Economics*, Oxford University Press, Oxford (2015), 13th edition.

A. Koutsoyiannis, *Modern Microeconomics*, Macmillan Publication (2003).

W.J Baumol & Alan S. Blinder, *Microeconomics: Principles and Policy*, Cengage Learning India Pvt Ltd (2008)

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B.A. Part - I (Economics)
Semester-II
BECO-201: Principles of Microeconomics-II

External Marks:80
Internal Marks :20
Time: 3Hrs.

Course Description

This is a sequel to Principles of Microeconomics-I covered in the first semester. The objective of the course is the same as in Principles of Microeconomics- I.

Course Outline

Unit-I

Market Structures- Concepts and types; Perfect Competition: assumptions, theory of a firm under perfect competition, demand and revenue; equilibrium of the firm in the short run and long run; long run industry supply curve: increasing, decreasing and constant cost industries. Welfare: allocative efficiency under perfect competition.

Unit-II

Theory of a monopoly firm; concept of imperfect competition; short run and long run price and output decisions of a monopoly firm; concept of a supply curve under monopoly; comparison of perfect competition and monopoly, social cost of monopoly, price discrimination; remedies for monopoly: Antitrust laws, natural monopoly.

Unit-III

Imperfect Competition- Monopolistic competition: assumptions, short run and long run price and output determinations, economic efficiency and resource allocation; oligopoly; assumptions, oligopoly models, game theory, contestable markets, role of government.

Unit-IV

Income Distribution and Factor pricing: Marginal productivity theory of distribution, Ricardian theory of rent; Theories of interest: Classical and Neoclassical; Marginal productivity theory of Wages;

Suggested Readings:

Case, Karl E. & Ray C. Fair, *Principles of Economics*, Pearson Education, Inc., 12ᵗʰ edition, 2016.

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2016.

N. Gregory Mankiw, *Principles of Economics*, South-Western College; 8th Edition(2017)

J.E. Stiglitz and G.E. Walsh, *Principles of Economics*, W.W Norton & Co. N.Y.

Paul Samuelson and Nordhaus, *Economics*, Tata McGraw Hill Publishing Company, New Delhi. 19th Edition (2009)

Alec Chrystal Richard Lipsey, *Economics*, Oxford University Press, Oxford (2015), 13ª edition.

A. Koutsoyiannis, *Modern Microeconomics*, Macmillan Publication (2003).

W.J Baumol & Alan S. Blinder, *Microeconomics: Principles and Policy*, Cengage Learning India Pvt Ltd (2008)

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B.A. Part - II (Economics)
Semester-III
BECO-301: Principles of Macroeconomics-I

External Maximum Marks: 80
Internal Maximum Marks: 20
Time: 3Hrs

Course Description

This course introduces students to the basic concepts in Macroeconomics. Macroeconomics deals with the aggregate economy. In this course the students are introduced to the definition, measurement of the macroeconomic variables like GDP, consumption, savings, investment and balance of payments. The course also discusses various theories of determining GDP in the short run.

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The Compulsory Question No.1 will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit-1

Introduction: nature, meaning and scope of macro-economics. The Concepts and measurement of national income statistics and Circular flow of income in two, three and four sector economy.

Unit-II

Consumption function: average and marginal propensity to consume, Keynesian psychological law of consumption.

Investment function: types of investment, investment demand schedule and factors affecting investment decisions, marginal efficiency of capital, static and dynamic multiplier & accelerator.

Unit-III

Determination of income and employment: classical and Keynesian theories of income, output and employment, Say's law of markets, Principle of effective demand.

Unit-IV

Money and banking: money: definition, functions and role quantity theory of money: fisher's equation and Cambridge equation, Keynesian liquidity preference theory. Banking: major functions of commercial banks and process of credit creation.

Suggested Readings:

Case, Karl E. & Ray C. Fair, *Principles of Economics*, Pearson Education, Inc., 12ᵗʰ edition, 2016.

Sikdar, Shoumyen, *Principles of Macroeconomics*, 2nd Edition, Oxford University

B

Alec Chrystal Richard Lipsey, *Economics*, Oxford University Press, Oxford (2015), 13th edition.

Ackley, G (1978), ─Macroeconomics: Theory and Policy, Macmillan, New York.

Branson, W. A. (1989), ─Macroeconomics: Theory and Policy, 3rd ed. Harper and Harper and Row, New York.

Shapiro, E (1996), ─Macroeconomics: Analysis, Galgotia Publication, New Delhi

Stiglitz J. E. and Carl E. Walsh (2002), Principles of Macroeconomics, W.W. Norton and Company, New York.

Paul Samuelson and Nordhaus, Economics, Tata McGraw Hill Publishing Company, New Delhi. 19th Edition (2009)

N. Gregory Mankiw, *Principles of Economics*, South-Western College; 8th Edition (2017)

B.A. Part - II (Economics)
Semester-IV
BECO-401: Principles of Macroeconomics-II

External Maximum Marks: 80
Internal Maximum Marks: 20
Time: 3Hrs

Course Description

This is a sequel to Principles of Macroeconomics-I. It analyses various theories of determination of National Income in greater detail. It also introduces students to concept of inflation, its relationship with unemployment and some basic concepts in an open economy.

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.
2. The Compulsory Question No.1 will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit-I

IS-LM analysis: derivations of the IS and LM functions; IS-LM and aggregate demand; shifts in the IS-LM curve.

Unit-II

Inflation types and theories: cost-push and demand-pull, measures to control inflation. Relationship between inflation and unemployment: Phillips curve in short run and long run.

Unit-III

Trade cycle: meaning, phases and theories of trade cycles- Samuelson and Hicks; monetary and fiscal policies for stabilization.

Unit-IV

Balance of payments and exchange rate: balance of payments; current account and capital account; market for foreign exchange; determination of exchange rate.

Suggested Readings:

Case, Karl E. & Ray C. Fair, *Principles of Economics*, Pearson Education, Inc., 8th edition, 2007.

Sikdar, Shoumyen, *Principles of Macroeconomics*, 2nd Edition, Oxford University

Lipsey R.G. and K.A. Christal (1999) —Principles of Economics 9th Ed., Oxford University Press.

Ackley, G (1978). —Macroeconomics: Theory and Policy, Macmillan, New York.

Branson, W. A. (1989), —Macroeconomics: Theory and Policy, 3rd ed. Harper and Harper and Row, New York.

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Shapiro, E (1996), —Macroeconomics: Analysi, Galgotia Publication, New Delhi.

Stiglitz J. E. and Carl E. Walsh (2002), Principles of Macroeconomics, W.W. Norton and Company, New York.
Paul Samuelson and Nordhaus: (2005) —Economics (18th Ed.) Tata Hill Publishing Company, New York.

Mankiw N. Gregory: (2007) —Principles of Economics, Thomson, Indian Reprint.

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B.A. Part - III (Economics)
Semester-V
BECO-501: Money and Banking

External Maximum Marks: 80
Internal Maximum Marks: 20
Time: 3Hrs

Course Description

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The Compulsory Question No.1 will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit-I

Money: Concept, functions, measurement; theories of money supply determination. Financial Institutions, Markets, Instruments and Financial Innovations: Role of financial markets and institutions; problem of asymmetric information – adverse selection and moral hazard; financial crises.

Unit-II

Money and capital markets: organization, structure and reforms in India; Interest Rates: Determination; sources of interest rate differentials; theories of term structure of interest rates; interest rates in India.

Unit-III

Banking system: commercial banking- functions, major developments and reforms in Indian banking system since 1991. Non-banking financial institutions (NBFIs) – role and structure NBFIs in India.

Unit-IV

Central banking and monetary policy: role and functions; goals, targets, indicators and instruments of monetary control; current monetary policy of India.

Suggested Readings:

F. S. Mishkin and S. G. Eakins, *Financial Markets and Institutions*, Pearson Education, 6th Edition, 2009.

F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, *Foundations of Financial Markets and Institutions*, Pearson Education, 3rd edition, 2009.

L. M. Bhole and J. Mahukud, *Financial Institutions and Markets*, Tata McGraw Hill, 5th edition, 2011.

M. Y. Khan, *Indian Financial System*, Tata McGraw Hill, 7th edition, 2011.

Various latest issues of R.B.I. Bulletins, Annual Reports, Reports on Currency and Finance and Reports of the Working Group, IMF Staff Papers

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B.A. Part - III (Economics)

Semester-V
BECO-502: International Economics

External Maximum Marks: 80
Internal Maximum Marks: 20
Time: 3Hrs

Course Description

The course intends to provide a deep understanding about the broad principles and theories, which tend to govern the free flow of trade in goods, services and capital- both short-term and long-term- at the global level. The contents of the paper spread over the different modules, lay stress on the theory and nature of the subject which, in turn, will greatly help them to examine the impact of the trade policies followed both as the national and international levels as also their welfare implications at macro level and the distribution of gains from trade.

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The **Compulsory Question No.1** will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit-I

The pure theory of international trade: theories of absolute advantage, comparative advantage and opportunity costs. H-O theory, Factor price equalization, Terms of trade.

Unit-II

Commercial policy: the theory of tariffs, optimum and effective rate of tariff, inter-relationship between trade, aid and economic development. The theory of economic integration among nations, forms of economic integration. The theory of customs union

Unit-III

Balance of payments, exchange rate and trade structures: the process of adjustment in the balance of payments. The concept of foreign trade multiplier. Fixed vs. Flexible exchange rates and their relative merits and demerits.

Unit-IV

International monetary system: IMF and international monetary system, present international monetary system, problems of international liquidity. New international economic order.

Suggested Readings :

Soderston , B. O. (latest edition), *International Economics*, 2nd Edition, Macmillan Press, London,

Salvatore, Dominick (latest edition) , *International Economics*, John Wiley & Sons.

Krugman P. R. & Obstifeld Maurice (latest edition), *International Economics – Theory and Policy*, Addison- wesley.

Kindleberger, C. P. (latest edition), International *Economics*, Richard Irwin, Homes wood, Illinois, Indian Edition.

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B.A. Part - III (Economics)
Semester-V
BECO-503: Economics of Development

External Maximum Marks: 80
Internal Maximum Marks: 20
Time: 3Hrs

Course Description

Course structure enables the students to know about theories of growth and development, sectoral aspects of development and investment criteria. Issues relating to poverty and HDI also find their due place.

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.
2. The Compulsory Question No.1 will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit - I

Economic growth and economic development, development and underdevelopment, approaches to economic development, factors affecting economic growth.

Unit -II

Poverty — absolute and relative; measuring poverty – head count and poverty gap, vicious circle of poverty. Human development index (HDI) and other indices of development and quality of life. Population problem and growth pattern of population in developing countries.

Unit -III

Traditional measures of economic development – national income, per capital income, UNDP indices for measurement of development. Classical theory of development- Adam Smith and Marx

Unit- IV

Steady state growth models — Harrod-Domar, neo classical model of growth- Robert Solow, Cambridge model of growth – Joan Robinson

Suggested Readings:

Adelman, I. (latest edition), *Theories of Economic Growth and Development*, Stanford University Press, Stanford.

Ghatak, S. (latest edition), *An Introduction to Development Economics*, Allen and Unwin, London.

Olivier de la Grandville (latest edition), *Economic Growth: A Unified Approach*, Cambridge University Press.

Hayami, Y. (1997), *Development Economics*, Oxford University Press, New York.

Kindleberger, C.P. (latest edition), *Economic Development*, 3e, McGraw Hill, New York.

Meier, G.M. (latest edition), *Leading Issues in Economic Development*, 6e, Oxford University Press, New Delhi.

Myint, Hla (latest edition), *The Economics of Underdeveloped Countries*, Preager, New York.

Thirlwal, A.P. (latest edition), *Growth and Development*, Macmillan, London.

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B.A. Part - III (Economics)

Semester-VI
BECO-601: Economic Development and Policy in India

External Maximum Marks: 80
Internal Maximum Marks: 20
Time: 3Hrs

Course Description

Using appropriate analytical frameworks, this course reviews major trends in economic indicators and policy debates in India in the post-Independence period, with particular emphasis on paradigm shifts and turning points.

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The Compulsory Question No.1 will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit -I

Economic development since independence: major features of Indian economy at independence and characteristics of economic underdevelopment of India (with reference to colonial rule of India); trend in national income and per capita income; sectoral composition (output and employment) - primary, secondary and tertiary. Development under different policy regimes—goals, constraints, institutions and policy framework;

Unit -II

Population and human development: broad demographic features — population size and growth rates, sex and age composition, occupational distribution. Density of population, urbanization and economic growth in India. Population growth as a factor of economic development, national population policy, progress of human development in India. Development of education in India, health and family welfare and the development of health infrastructure.

Unit -III

Structural change of post independent Indian economy :growth, distribution and trends of national income, sectoral distribution. An assessment of performance—sustainability and regional contrasts; structural change, savings and investment. Trends, measurement and policies in poverty; inequality-measurement, causes and effects, unemployment-types, causes and employment policies in India.

Unit -IV

Indian economy in post reform period: background of Indian economic reforms – new economic policy, redefining India's development strategy; changing role of state and market industrial policy, disinvestment policy and privatization; financial sector reforms including banking reform.
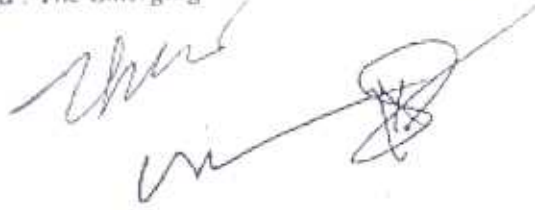
Suggested Readings:

Jean Dreze and Amartya Sen, Jean Dreze and Amartya Sen, 2013. *An Uncertain Glory: India and its Contradictions*, Princeton University Press.

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Pulapre Balakrishnan ,Economic Reforms and Growth in India: Essays from Economic and Political Weekly Paperback ,Orient Blackswan (June 30, 2011) .

Kapila, Uma(Latest edition), *Indian Economy: Performance and Policies*" Academic Foundation, New Delhi.

Mishra S. K. and Puri,V. K.,*Indian Economy*, Himalaya Publishing House (Latest Ed.)

Panagariya, Arvind (2008), *India : The Emerging Giant*, Oxford University Press.

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B.A. Part - III (Economics)
Semester-VI
BECO-602: Public Finance

Course Description

Role and function of the Government in an economy have been changing with the passage of time. The term' Public Finance' has traditionally been applied to the package of those policies and operations which involve the use of tax and expenditure measures while budgetary policy is an important part to understand the basic problems of use of resources, distribution of income etc. there are vast array of fiscal institutions- tax system, expenditure programs, budgetary procedures, stabilization instruments, debt issues, levels of government etc., which raise a spectrum of issues arising from the operation of these institutions. Further, the existing of externalities, concern for adjustment in the distribution of income and wealth, etc. require political processes for their solution in a manner which combines individual freedom and justice.

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The Compulsory Question No.1 will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit-I

The principle of public finance – subjective and objective criteria. Theory of public expenditure: maximum social advantage, theory of social goods: distinction between public, private and merit goods. Public expenditure type & effects of public expenditure on production, distribution and economic growth.

Unit-II

Public revenue: approaches of equity in taxation: benefits principle cost of service principle, ability to pay theory Effects of taxation. Analysis of major taxes – income tax, expenditure tax, corporation tax, wealth tax, excise duties, sales tax, and custom duties. The concept of taxable capacity. Taxation in a developing economy. Fiscal incidence: theories of tax shifting, concepts of incidence, measurement of incidence.

Unit-III

Public debt: role of public debt. Different forms of public debt. Burden of public debt, redemption of public debt. Debt management. Budgetary policy: functional and economic classification of budgets and their uses.

Unit-IV

Balance and unbalanced budgets. Fiscal federalism: principles of federal finance. Budget as an instrument of mobilization and channelization of resources and redistribution of income and wealth.

Suggested Readings:

Buchanan J.M., *Public Finance in the Domestic Process* (Collected works of James M Buchanan), Library Fund, USA.

Musgrave R. A. & Musgrave P. B. (latest edition), *Public Finance in Theory and Practice*, Mc Hill Publishers

Taylor P.E (1949), *The Economics of Public Finance*, Macmillan Publishers, New York.

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B.A. Part - III (Economics)
Semester-VI
BECO-603: Environmental Economics

External Maximum Marks: 80
Internal Maximum Marks: 20
Time: 3Hrs

Course Description

This course introduces students to concepts, methods and policy options in managing the environment using tools of economic analysis. This course should be accessible to anyone with an analytical mind and familiarity with basic concepts of economics. Since several environmental problems are caused by economic activity (for instance, carbon emissions, over-harvesting of renewable resources and air and water pollution as a by-product of industrial activity), this course examines different approaches to adjusting behaviour through economic institutions such as markets and incentives as well as through regulation, etc. It also addresses the economic implications of environmental policies through practical applications of methods for valuation of environmental goods and services and quantification of environmental damages. Conversely, the impact of economic growth on the environment is also addressed under the rubric of sustainable development. Environmental problems and issues from the Indian and international context (especially global warming)are used to illustrate the concepts and methods presented in the course. The course will be useful for students aiming towards careers in the government sector, policy analysis, business, journalism and international organisations

Instructions for the paper-setters and the candidates:

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.

2. The Compulsory Question No.1 will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Course Outline

Unit-I
Key environmental issues and problems, economic way of thinking about these problems, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.

Unit-II
The design and implementation of environmental policy: overview, Pigouvian taxes and effluent fees; tradable permits, implementation of environmental policies in India and international experience; trans boundary environmental problems; economics of climate change.

Unit-III
Environmental valuation methods and applications: valuation of non-market goods and services--theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.

Unit-IV
Sustainable development: concepts; measurement; Perspectives from Indian experience

Suggested Readings:

Roger Perman, Yue Ma, Michael Common, David Maddison and James McGilvray, *Natural Resource and Environmental Economics*, Pearson Education/Addison

Goodstein, E.S. (latest edition), *Economics and the Environment*, Prentice Hall.

Hanley, N., Shogern, J.F and White, B (latest edition), *Environmental Economics in Theory and Practice*, Macmillan Publication

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Varian. Hal R., (latest edition), *Intermediate Micro-Economics- A Modern Approach*, East-West Press.

Bhattacharya Rabindranath (2002), *Environmental Economics: An Indian Perspective* Oxford University Press.

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Guru Jambheshwar University of Science Technology, Hisar

Scheme for Theory Based Subjects

Guidelines for Scheme of examination of UG Course SOCIOLOGY (under semester system)

The Scheme of Examination of undergraduate (UG) Courses under Faculty of Humanities & Social Sciences run by affiliated degree colleges will be under 80: 20 (external: internal) for theory based courses. Pass percentage will be ....

For the UG courses under Faculty of Humanities & Social Sciences, the guidelines regarding scheme and paper setting will be followed as:

For the end semester examinations, nine questions are to be set by the examiner. The candidates shall attempt five questions in all. First question will be compulsory of 20 marks based on the entire syllabus. It will comprise of ten short answer type questions of two marks each. Students are required to attempt any four questions out of remaining eight questions (these eight questions may be (in) up to four units depending on the subject). All remaining questions shall carry equal marks.

Scheme: 80:20 (external: internal)	
1st question=20 marks (10 short answer type questions of two marks each)	
Rest four questions: 15 marks each i.e. 4 x 15=60	
Total = (20+60) + 20 = 100 marks	
Components of Internal Assessment (Breakdown of 20 marks)	Assignment: 10 marks each

Guru Jambheshwar University of Science Technology, Hisar

Under Graduate Syllabus of Sociology (Semester System Scheme)

Scheme of Examination (w.e.f 2018-2019)

Papers and their nomenclature for 1st and 2nd Semesters:

B.A. 1st Semester------------ SOC 101: Basic Concepts in Sociology
B.A. 2nd Semester------------ SOC 102: Society, Culture and Social Change

B. A. I - 1st Semester (Sociology) SOC 101: Basic Concepts in Sociology

Maximum Marks: 100

Time: 3 hours

External Marks: 80

Internal Assessment: 20

Note:-
1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment.
2. The **Compulsory Question No.1** will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Contents:

UNIT - I

Sociology: Nature, Scope and Significance: Relationship with History, Economics, Political Science, Anthropology and Psychology

UNIT - II

Basic Concepts: Society, Community, Association, Social Structure, Status & Role, Norms and Values.

UNIT - III

Social Groups & Processes: Definition, Nature and types of Groups- Primary, Secondary & Reference Group; Processes- Co-operation, Conflict and Accommodation.

UNIT – IV

Social Institutions: Marriage, Family, Kinship and Religion; Their Functions and Features.

Readings:

Ahuja, Ram (2001): **Indian Social System,** New Delhi: Rawat Publication. Ahuja, Ram

(2003): **Society in India,** New Delhi: Rawat Publication.

Bottomore, T.B. (1972): **Sociology: A Guide to Problems and Literature,** Bombay: George Allen

and Unwin (India).

Fulcher & Scott (2003: **Sociology,** New York: Oxford University Press.Giddens, Anthony

(2005): **Sociology,** Polity Press.

Harlambos, M. (1998): **Sociology: Themes and Perspective,** New Delhi: Oxford University Press.

Harlambos & Holborn (2000): **Sociology,** London: Harper-Collins.
Inkeles, Alex (1987): **What is Sociology?** New Delhi: Prentice-Hall of India.
Johnson, Harry M. (1995): **Sociology: A Systematic Introduction,** New Delhi: Allied Publishers.
Maclver and Page (1974): **Society: An Introductory Analysis,** New Delhi: Macmillan & co.
P. Gisbert (2010): **Fundamental of Sociology,** New Delhi: Orient Blackswan.

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B.A.I -2nd Semester (Sociology)

SOC 102: Society, Culture and Social Change

Maximum Marks: 100

Time: 3 hours

External Marks: 80

Internal Assessment: 20

Note:-

1. The question paper will consist of *nine* questions. The candidate shall attempt *five* questions in all. The Question No. 1 will be *compulsory*. The Candidate shall attempt *four* more questions selecting at least *one* from each Unit. The paper will carry 100 marks out of which 20 marks will be earmarked for internal assessment

2. The **Compulsory Question No.1** will be short answer type questions containing *ten* questions of equal marks (i.e., 2 marks each) spread over the whole syllabus. Other questions will carry the 15 marks each.

Contents:

UNIT – I

Societies: Types and Characteristics- Tribal, Rural, Urban, Industrial and Post-Industrial.

UNIT – II

Culture: Definition and Nature; Types- Material and Non- Material. Socialization: Its importance, Process and Stages. Social Control: Its Types and Means.

UNIT – III

Processes of Social Change: Characteristic Features of Industrialization, Modernization, Globalization and Secularization

UNIT – IV

Social Stratification: Concept and Bases; Forms- Caste, Class, Power & Gender

Readings:

Bottomore, T.B. (1972): **Sociology: A Guide to Problems and Literature,** Bombay: George Allen and Unwin (India).

Fulcher & Scott (2003: **Sociology,** New York: Oxford University Press.Giddens, Anthony (2005): **Sociology,** Polity Press.

Gordon Marshall (1998): Oxford Dictionary of Sociology, New York: Oxford UniversityPress.

Harlambos, M. (1998): **Sociology: Themes and Perspective,** New Delhi: Oxford University Press.

Harlambos & Holborn (2000): **Sociology,** London: Harper-Collins.

Inkeles, Alex (1987): **What is Sociology?** New Delhi: Prentice-Hall of India.

Johnson, Harry M. (1995): **Sociology: A Systematic Introduction,** New Delhi: Allied Publishers.

Tuman, M.M. (1994): **Social Stratification: The Forms and Functions of Inequality,** New Delhi: PHI.

Maciver&Page(1974): **Society: An introductory Analysis,** New Delhi: Macmillan & co.Mandelbaum, D.G. (1972): **Society in India,** Bombay: Popular Prakashan.

Smelser, Neil J. (1993): **Sociology,** Prentice Hall of India-Pvt. Ltd.

Singh Y. 91983): Modernisation of Indian Tradition. Jaipur, Rawat Publications.Sharma K.L.(1986): Essays in Social Stratification, Jaipur, Rawat Publications.

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Guru Jambheshwar University of Science & Technology, Hisar

SCHEME OF COMPUTER AWARENESS TO BE
INTRODUCED AT UNDER GRADUATE LEVEL

Paper Code	Paper Name	Maximum Marks	Pass Marks	Examination Duration
COMPUTER AWARENESS (LEVEL – I) w.e.f. 2010-11				
L1 – (I)	Basic Computer Education	100	35	3 hours
L1 – (II)	Software Lab – I	100	35	3 hours
COMPUTER AWARENESS (LEVEL – II) w.e.f. 2010-11				
L2 – (I)	PC Software & ICT	100	35	3 hours
L2 – (II)	Software Lab – II	100	35	3 hours
COMPUTER AWARENESS (LEVEL – III) w.e.f. 2011-12				
L3 – (I)	Web Designing	100	35	3 hours
L3 – (II)	Software Lab – III	100	35	3 hours

Important Instructions:

1. The theory question paper will be provided by the University.

2. The practical question paper will be set by the examiner on the spot.

3. The workload for theory paper is three periods per week.

4. The practical of students will be held in groups.

5. Each practical group will comprise of 20 students in Level-I and 15 students in Level-II and Level III respectively.

6. The workload for practical paper is three periods per group per week.

Computer Awareness

Verified

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COMPUTER AWARENESS (LEVEL – I)

L1 – (I) BASIC COMPUTER EDUCATION(w.e.f. 2010-2011)

Max. Marks: 100
Exam Duration: 3 Hrs

Pass Marks: 35
Workload: 3 periods/week

Note: The examiner will set total 10(ten) questions covering the entire syllabus. Student will attempt any five questions. All questions will carry equal marks.

Computer: Definition, Characteristics, Applications, Components of Computer System, Input/Output Devices, Concept of Memory, Magnetic and Optical Storage Devices.
Operating System- Windows: Definition & Functions of Operating System, Basic Components of Windows, Exploring Computer, Icons, taskbar, desktop, managing files and folders, Control panel – display properties, add/remove software and hardware, setting date and time, screensaver and appearance.
Word Processing: Introduction to Word Processing, Menus, Creating, Editing & Formatting Document, Spell Checking, Printing, Views, Tables, Word Art, Mail Merge, Macros.
Computer Communication: Internet and its applications, Surfing the Internet using web browsers, Creating Email Id, Viewing an E-Mail, Sending an E-Mail to a single and multiple users, Sending a file as an attachment.

REFERENCES BOOKS
1. Sinha, P.K. & Sinha, Priti, Computer Fundamentals, BPB
2. Dromey, R.G., How to Solve it By Computer, PHI
3. Microsoft Office – Complete Reference – BPB Publication

L1 – (II) SOFTWARE LAB – I

Max. Marks: 100
Exam Duration: 3 Hrs

Pass Marks: 35
Workload: 3 periods/week

Windows Operating System and Word Processing
Practical exposure as per theory syllabi
Computer Communication
1. Connect the Internet, Open any website of your choice and save the Web Pages.
2. Search any topic related to your syllabi using any search engine and download the relevant material
3. Create your E-Mail ID on any free E-Mail Server, Login through that and implement various operations provided in it.

Computer Awareness

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GURU JAMBHESHWAR UNIVERSITY OF SCIENCE &
TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
'A' Grade, NAAC Accredited State Govt. University

NOTIFICATION

In pursuance of the directives from the Secretary, University Grants Commission, New Delhi vide D.O. No. F.1-2/2017 (CPP-II) dated 19th June, 2017 for implementation of Environmental Studies as compulsory module syllabus at undergraduate courses level of all branches of higher education in universities and colleges as per directives of the Hon'ble Supreme Court of India, the University Grants Commission with the help of an Expert Committee has framed 8 units module syllabus for Ability Enhancement compulsory Courses (AECC-Environmental Studies) under CBCS.

The Vice-Chancellor on the recommendations of the Academic Council vide resolution no.34 in its meeting held on 06.03.2017 has constituted a Committee to re-look the guidelines of apex court regarding introduction of Environmental Studies as compulsory course in all UG courses. The recommendation of the Committee are as under:-

1   The University Grants Commission in pursuant to Hon' ble Supreme Court order dated 06.12.1999 in CWP No. 860/1991 has designed a six month module syllabus for Environmental Studies for undergraduate courses. Therefor the said subject will be taught in the first semester in B.Sc./ B.Com./ BBA/ BCA courses and in second semester in BA, BA (Hons.), L.L.B. and any other under-graduate course run in all the affiliated colleges in the first year. The said subject will also be taught in the undergraduate courses run by the university. The examination of the said course will be conducted at the end of that semester. The medium of the examination will be same as opted by students for their respective main courses.
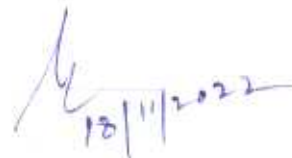
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2. The environmental studies course comprising of 45 lectures + 5 practical classes/ field works will be taught once in all UG programmes as a compulsory subject.

3. The marks of environmental studies will be included in the DMC/ Degree as in case of other core subjects.

4. Necessary amendments, if any, in this respect will be made in the scheme and syllabi of undergraduate programmes in terms of credits.

5. The subject should be taught by the eligible subject teachers only in terms of guidelines of UGC.

6. In Engineering B.Tech. programmes, Environmental Studies courses having 3 credits has already been included as compulsory subject w.e.f. academic session 2016-17 while for other undergraduate courses in campus of Guru Jambheshwar University of Science & Technology and all affiliated colleges, the said subject will be compulsory subject of 4 credits w.e.f. academic session 2017-18.

Further, if the above said subject of Environmental Studies already exist in the scheme & syllabi of UG programme(s) as optional/ qualifying, the same may be replaced by above said subject as compulsory subject of 4 credits with its new syllabi (copy enclosed). The total credits/ marks if any of the said semester of first year will be increased accordingly in the scheme & syllabi of KUK and the same will be treated as amendments in the said scheme & syllabi of first year of KUK followed by this University in case of all UG programmes/ courses being run by all affiliated degree colleges except BBA and BCA programmes.

DA/As above

REGISTRAR

13/11/2022

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Endst. No. Acad./AC-III/2017/4831-4885   Dated: 3/7/17

A copy of the above is forwarded to the following for information and necessary action:-

1.   All Deans of Faculties, GJUS&T, Hisar.

2.   Controller of Examinations, GJUS&T, Hisar.

3.   All Chairpersons, University Teaching Departments, GJUS&T, Hisar.

4.   All Director-Principals of the affiliated Institutes/ Colleges, GJUS&T, Hisar (except the colleges there is no UG programmes)

5.   All above members of the Committee.
    (i)   Prof. Rajesh Malhotra, Dean Academic Affairs
    (ii)   Prof. Narsi Ram Bishnoi, Dean of Colleges
    (iii)   Prof. Asha Gupta, Chairperson, Department of Environmental Science & Engineering

6.   Secretary to Vice-Chancellor (for kind information of the Vice-Chancellor), GJUS&T, Hisar.

7.   Superintendent O/o the Registrar (for kind information of the Registrar), GJUS&T, Hisar.

Deputy Registrar (Academic)
For Registrar

18/11/2022

Environmental Studies

Course Code: EVS-201-L Course Credits: 4 Mode: Lecture(L) and Tutorial(T) Type: Compulsory Contact Hours: 4 hours (L) per week. Examination Duration: 03 hours.	Course Assessment Methods (Internal: 30; External: 70) Two minor test each of 20 marks, class performance measured through percentage of lecture attended. (4 marks), assignments, quiz etc. (6 marks) and end semester examination of 70 marks For the end semester examination, nine questions are to be set by the examiner. Question number one will be compulsory and based on the entire syllabus. It will contain seven short answer type question. Rest of the eight questions is to be given by setting two questions from each of the four units of the syllabus. A candidate is required to attempt any other four questions selecting one from each of the four units. All questions carry equal marks.

Prerequisite: Student should have prior knowledge of basic environment science.

Objectives:

- To enhance knowledge skills and attitude towards environment.
- To understand natural environment and its relationship with human activities.

Course outcomes:

CO-1 Students will be able to enhance and analyze human impacts on the environment.
CO-2 Integrate concepts & methods from multiple discipline and apply to environmental problems.
CO-3 Design and evaluate strategic terminologies and methods for sustainable management of environmental systems.
CO-4 Field studies would provide students first-hand knowledge on various local environment aspects which forms an irreplaceable tool in the entire learning process.

Unit-I

Multidisciplinary nature of Environmental studies: Definition, scope and importance, need for public awareness. Concept, Structure and function of an ecosystem. Producers, consumers and decomposers, Energy flow in the ecosystem. Ecological succession. Food chains, Food webs and ecological pyramids; Introduction, characteristics features, structure and function of different ecosystems such as Forest ecosystem, Grassland ecosystem ,Desert ecosystem, Aquatic ecosystem (Ponds, Stream, lakes, rivers, oceans, estuaries), Biodiversity. Introduction, Definition, genetic, species and ecosystem diversity, Bio-geographical classification of India. Ecosystem & biodiversity services ecological, economic ,social ,consumptive use, productive use, social ethical, aesthetic and option values. Biodiversity at global, national and local level, India as a mega-diversity nation, Global Hot-spot of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, Biological invasions Endangered and endemic species of India, Conservation of biodiversity. In-situ and Ex-situ conservation of biodiversity.

Unit-II

Renewable and non-renewable resources. Natural resources and associated problems ,Forest resources: Use and over-exploitation, deforestation, case studies, Timber extraction, mining, dams and their effects on forests and tribal people; Water resources: Use and over utilization of surface and ground water, floods, droughts conflicts over water, dams benefits and problems; Mineral resources: Use and exploitation, environmental effects of extracting and mineral resources; Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity: Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies; Land resources. Land as a resource, land degradation, man induced landslides; soil erosion and desertification.

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Unit-III

Definition of Environment Pollution; Causes, effects and control measures of: Air Pollution, Water Pollution, Soil pollution, Noise pollution, Nuclear hazards and human health risks; Solid waste Management: Causes, effects and control measures of urban and industrial wastes; Pollution case studies, Disaster management: floods, earthquake, cyclone and landslides; Climate change, global warming, acid rain, ozone layer depletion; different laws related to environment: Environment Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and Control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act.; International agreements :Montreal & Kyoto Protocol & Nature reserves, tribal populations and human health.

Unit-IV

Concept of sustainability & sustainable development, water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of project affected persons; case studies , Environment ethics, role of Indian and other religions and cultures in environmental conservation, Environmental communication and public awareness, case studies(eg.CNG vehicles in Delhi); Human Population growth: Impact on environment, human health & welfare ,Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.

Field Work. Visit to a local area to document environmental assets- river/forest/grassland/hill/mountain; Study of simple ecosystems – ponds, river, hill slopes etc; Study of common plants, insects, birds; Visit to a local polluted site-Urban/Rural/Industrial/Agricultural

TEXT BOOK:

1. Erach Bharucha "Environmental Studies for Undergraduate Courses", University Grants Commission and

   Bharati Vidyapeeth Institute of Environment Education and Research, Pune. University press pvt. Ltd. (India)

2. Fundamental concepts in Environmental studies by Dr. D.D. Mishra. S. Chand publications

REFERENCE BOOKS:

1. Essentials of Ecology and Environmental Science by Dr. S. V. S. Rana, PHI Learning Pvt. Ltd. Delhi

2. Environmental Chemistry by Anil Kumar De, Wiley Eastern Limited.

3. Environmental Science by T.G. Miller, Wadsworth Publishing Co, 13th edition

4. Ecology and Environment by P. D. Sharma, Rastogi publications

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