# The Minutes and Circular for BOS of Bundelkhand University, Jhansi

तार : विश्वविद्यालय
Gram : UNIVERSITY

टेलीफोन : कार्या0 : 2320496
कुलसचिव : निवास : 2321214
फैक्स : 0510 : 2321667

## बुन्देलखण्ड विश्वविद्यालय, झाँसी
## BUNDELKHAND UNIVERSITY, JHANSI

झाँसी (उ.प्र.) 284128

संदर्भ IEF/893/a.

दिनाँक 21.06.2022

**The Minutes of Meeting of BOS**

In reference to the BOS of department of Banking, Economics & Finance, Institute of Economics and Finance held on 21.06.2022 regarding the revision of syllabus in tune with CBCS/NEP-2020 and subsequent approval from Academic Council. This is to certify that the syllabus is 100% revised.

B Singh
21/06/2022
HOD/Coordinator

# बुन्देलखण्ड विश्वविद्यालय, झाँसी

## सूचना

एदत् द्वारा सूचित किया जाता है कि **बैकिंग, अर्थशास्त्र एवं वित्त** पाठ्यक्रम समिति की बैठक दिनांक 21/06/2022 को अपरान्ह 11.00 बजे विश्वविद्यालय के सभागार में ऑनलाइन/ऑफलाइन के माध्यम से आहूत की गयी है। अतः आपसे अनुरोध है कि बैठक में निर्धारित तिथि एवं समय पर उपस्थित होने का कष्ट करें।

कार्यसूची :–

4. उत्तर प्रदेश शासन के पत्र संख्या–नि.–401/सत्तर–3–2022 दिनांक 09/02/2022 के अनुसार उच्च शिक्षण संस्थानों मे पाठ्यक्रम पुनर्सरचना की राज्य स्तरीय समिति द्वारा प्रदेश के समस्त विश्वविद्यालयों एवं महाविद्यालयों में राष्ट्रीय शिक्षा नीति–2020 को स्नातक (शोध सहित), स्नातकोत्तर एवं पी0एच0डी0 स्तर पर लागू किये जाने हेतु सुझाव।
5. सत्र 2022–2023 की परीक्षा हेतु प्राशिनकों/ परीक्षकों की सूची तैयार करने सम्बन्धी कार्य।
6. अन्य मद अध्यक्ष की अनुमति से।

सेवा में,

| | | |
|---|---|---|
| 1 | प्रो0 सी0बी0 सिंह, संकायाध्यक्ष कला बुन्देलखण्ड विश्वविद्यालय, परिसर,झाँसी | संयोजक |
| 2 | डॉ0 अतुल गोयल, बुन्देलखण्ड विश्वविद्यालय,परिसर,झाँसी | सदस्य |
| 3 | डॉ0 इरा तिवारी, बुन्देलखण्ड विश्वविद्यालय,परिसर,झाँसी | सदस्य |
| 4 | डॉ0 प्रशान्त गुप्ता,आई0आई0एम0 | वाह्य विशेषज्ञ |
| 5 | प्रो0 पी0के0घोस, इलाहाबाद विश्वविद्यालय,प्रयागराज | वाह्य विशेषज्ञ |
| 6 | प्रो0 प्रदीप अग्रवाल,टेली सर्टिफाईड प्रोफेशनल, झाँसी,9140284674 | वाह्य विशेषज्ञ |
| 7 | डॉ0 यशोधरा शर्मा | विशेष आमंत्रित सदस्य |
| 8 | डॉ0 फुरकान मलिक | विशेष आमंत्रित सदस्य |
| 9 | डॉ0 शम्भू नाथ सिंह | विशेष आमंत्रित सदस्य |
| 10 | डॉ0 राधिका चौधरी | विशेष आमंत्रित सदस्य |
| 11 | डॉ0 अंकिता जैसमीन लाल | विशेष आमंत्रित सदस्य |
| 12 | डॉ0 संदीप अग्रवाल | विशेष आमंत्रित सदस्य |
| 13 | डॉ0 शिल्पा मिश्रा | विशेष आमंत्रित सदस्य |
| 14 | डॉ0 अमिताभ गौतम | विशेष आमंत्रित सदस्य |

18/6/2022

सहा0कुलसचिव(एके0)
कृते कुलसचिव

# बुन्देलखण्ड विश्वविद्यालय, झाँसी

पत्रांकः– बु0वि0/एके0/2022/ 6334 - 48 दिनांकः– 18/6/2022

प्रतिलिपि – निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. उपर्युक्त समस्त सदस्यगण
2. अध्यक्ष, एन0ई0पी0 टास्क फोर्स।
3. संकायाध्यक्ष– कला को सूचनार्थ।
4. वित्त अधिकारी।
5. सहायक कुलसचिव (अतिगोपनीय)।
6. कुलपति जी के निजी सचिव।
7. कुलसचिव के आशुलिपिक।

सहा0कुलसचिव
कृते कुलसचिव

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# BOS - Date - 21-06-2022

## BOS - Banking, Economics & Finance

BOS was held on 21st June 2022 in the Department of Banking, Economics & Finance at 12:30 pm.

The following members were present

1. Prof. C.B. Singh - coordinator
2. Dr. Atul Goyal ] members
3. Dr. Era Tiwari ]
4. Dr. Prashant Gupta ] External Experts
5. Dr. P.K. Ghosh ]
6. Prof. Pradeep Agarwal ]
7. Dr. Yashodhara Sharma ] special invited members
8. Dr. Furquan Malik ]
9. Dr. S.N. Singh ]
10. Dr. Radhika Choudhary ]
11. Dr. Ankita Jasmine Lall ]
12. Dr. Sandeep Agarwal ]
13. Dr. Shilpa Mishra ]
14. Dr. Amitabh Gautam ]

The following decisions were taken:-

(1) The course structure of 4 PG courses and 2 UG courses were discussed. These courses were:-
   1. MBA (Banking & Insurance)
   2. MBA (Business Economics)
   3. M.Com (Finance)

As per U.P Govt Letter No. 401733-2022 dated 09/02/2022 in the Higher Education Institutions NEP2020 will be applied and restructuring of Programmes has been incorporated at UG (with Research) & PG level. 67

4. M. A. (Applied Economics)
5. B. Com (Hons.).
6. B. A (Hons.) Economics.

All the changes that were suggested should be incorporated in the structure and submitted ~~within~~ by 25/06/2022.

21/06/2022

21-06-2022

21/6/22

21/06/2022

21-06-2022

Accepting

21/6/22

21/6/22

21/6/2022

Prof. C. B. SINGH
HEAD
Dept. of Banking, Economics & Finance
Bundelkhand University.
JHANSI-284 128 (U.P.)

Prof. C. B. Singh
Dean of Arts Faculty
Bundelkhand University
Jhansi-284128 (U.P.) India

# Institute of Banking, Economics and Finance
# Bundelkhand University, Jhansi

# B.A. (Hons.) Economics

# Ordinance
# As per NEP 2020

# Session 2022-23 onwards

**ORDINANCE FOR BACHELOR IN HONOURS (SEMESTER SYSTEM) PROGRAMME OF ARTS, SCIENCE & COMMERCE**

## 1. INTRODUCTION

### 1.1 Preamble

This ordinance governs all the rules and regulations as per the NEP 2020 for under- graduate programs B.A (Hons), B.Sc. (Hons) and B.Com (Hons) running in the Bundelkhand University, Campus Jhansi from 2022 onwards. This ordinance supersedes all the previous relevant ordinances, rules and regulations.

### 1.2 Duration

Bundelkhand University has adopted the semester system in Undergraduate Honours courses as per directives of Higher Education Department, Uttar Pradesh Government to accelerate the teaching-learning process and enable vertical and horizontal mobility in learning from academic session 2022- 23 onwards.

The programme duration shall be of three academic years, i.e. six semesters. In case a student(s) exit(s) from the programme after completion of first year (2 semesters), he/she may take exit from the programme with a certificate and after completion of two years (4 semesters) may exit with a Diploma. Student will be awarded Bachelor in Hons Degree after the completion of three academic years (6 semesters). Student shall be allowed to take re-entry at the next level after his/her exit at any time within seven years from the date of joining the course.

The maximum time duration to complete any year shall be three years.

Explanation: The maximum duration for a three year's course shall be nine years.

In case a candidate exits with a certificate or a Diploma, he/she can re-join the degree course at any time with the condition that the maximum duration to complete the course is nine years and for each year is three years.

However, the students shall be permitted to complete the programme requirements within a maximum of seven years from the date of admission to the first year of the under graduate (Hons) programme.

### 1.3 Eligibility of Admission

- Candidate, who wishes to seek admission in a course of study prescribed for a undergraduate degree in Hons program of the University, shall be admitted to campus or an affiliated college unless he/ she has:

  candidate must passed the Intermediate Examination of the board of High school and Intermediate Education, Uttar Pradesh or of any other Indian Board incorporated by any law in force at the time of admission.

or

Passed any other examination recognized by the University as equivalent thereto.

- The date of admission shall follow the University academic calendar.

## 1.4 Choice of Honours Subject and Course Structure

1. University shall admit students as per the eligibility criteria and availability of seats decided by the university from time to time.
2. A student willing to take admission to the first year of Higher Education program after 12th class, will have to choose a Faculty (Science, Arts or Commerce, etc.) depending on the number of seats available and eligibility criteria.
3. Student(s) shall select any one Honours specific subject for all the three years (first, second, third, fourth, fifth and sixth semesters) as discipline specific core (DSC) ie Major I & II (table 1) and shall continue to study any one discipline specific elective (DSE) as major III subject along with Hons subject in first two years. (as given in table 2)
4. Student(s) shall select a generic elective (GE) paper as **Minor-1** from any other faculty (except own faculty) or can choose interdisciplinary subjects in the first two years. Minor –I elective is a course of pool of subjects/papers shown in table 3a and 3b (Minor-1). The student shall select one subject in the first year (first semesters) from the pool course and another subject in second year from the pool (Table 3). Minor –I shall be one paper of 4/5/6 credits and is not as full subject. No pre-requisite shall be required for this. The student may choose Minor –I from the mentioned table 3.
5. Student(s) shall select ability enhancement course (AEC) or skill enhancement course (SEC) known as **Minor-II (Vocational/skill development course)** from the course of pool subjects mentioned in table 4 (Minor -II). Candidate shall choose any one paper in each semester of his/her interest in the first and second year (one in each semester i.e. first, second, third and fourth semesters) from the pool of table 4. Each course of SEC comprises of theory (1 credit) and training (2 credits). Ratio of theory and Skill component in the syllabus will be 40:60 respectively. Theoretical evaluation will be carried out by department and training evaluation will be done by skill partner/department.
6. The University shall offer value added courses as Co-curricular paper/subject known as Minor–III. This value added course (VAC) is related to induction of multidisciplinary education by embedding knowledge within the framework of NEP. The student shall need to take one paper in each semester of first, second and third year of under graduate Hons programme. This is only qualifying paper/papers. One co-curricular course will be offered in each semester as Minor -III in the sequence given below.
7. Food and Nutrition ( Semester-I)
8. First Aid and Health ( Semester-II)
9. Human Values and Environment Studies ( Semester-III)
10. Physical Education and Yoga ( Semester-IV)
11. Analytic Ability and Digital Awareness ( Semester-V)
12. Communication Skills and Personality Development or Character Building ( Semester-VI)

13. Marks of practicals related to DSC, DSE and SEC papers will be uploaded by the by Head of Department on the examination portal and will be mentioned in the marks sheet. It shall be mandatory for the department to maintain the related data (records) till the maximum duration of the course of the concerned batch.

14. Department and skill partner may jointly issue a certificate to the student additionally.

New skill enhancement courses shall be developed by Bundelkhand University after necessary approval from relevant academic bodies. Existing courses developed by UGC/NSQF/ Skill development Council/ others may be given preference.

Credit distribution in Hons courses are as below:

1credit (theory)= 15 hours 1.credit (training)= 30hours

Courses can be of individual nature or progressive nature.

NOTE: These co-curricular papers must be essentially passed with 40 percent marks. The grade on the basis of marks will be entered in the grade sheet but will not be counted in calculation of CGPA.

## Semester Structure and Distribution of credits in undergraduate Hons program

### Table- 1

| SEM –I | | | | | | | |
|---|---|---|---|---|---|---|---|
| SEM -I | **Major I & II (DSC): Credit 4/5/6** | **Major-III (DSE): Credit4/5/6** | **Minor-I(GE) Credit4/5/6** | **Minor-II (SEC/AEC) credit 3** | **Minor-III (VAC) qualifying** | Industrial / training Credit 4 | ∑Credits |
| | DSC-1 TH-I<br>DSC-2 TH-I1<br>Pract –I | DSE-I TH-1<br>Pract -1 | GE 1 -TH-1 | SEC-1-TH-1 | VAC-1 TH-1 | | 25 |
| SEM-II | | | | | | | |
| SEM -II | DSC-3TH-1<br>DSC-4 TH-II<br>Pract -1 | DSE-I TH-1<br>Pract -1 | | SEC2-TH-1 | VAC-2 TH-1 | | 19 |
| **CERTIFICATE in Faculty** | | | | | | | 46/62 |
| SEM -III | DSC-5 TH-I<br>DSC-6 TH-II<br>Pract -1 | DSE-I TH-1<br>Pract -1 | GE -2 TH-1 | SEC-3TH-1 | VAC-3TH-1 | | 25 |
| SEM -IV | DSC-7 TH-I<br>DSC-8 TH-II<br>Pract -1 | DSE-I TH-1<br>Pract -1 | | SEC-4TH-1 | VAC-4TH-1 | | 19 |
| **DIPLOMA in Faculty** | | | | | | | 92/62 |
| SEM -V | DSC-9 TH-I<br>DSC-10 TH-II<br>DSC-11TH-III<br>L -1 | - | - | | VAC-5TH-1 | Industrial /training | 18 |
| SEM | DSC-12 TH-I | - | - | | VAC-6TH-1 | Industrial | 18 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| -VI | DSC-13 TH-II<br>DSC-14 TH-III<br>Pract -1 | | | | | /<br>Training program | |
| **BACHELOR in Hons**…. | | | | | | | /144 |

| **Major Bachelor in Honours Course –Major I and II) for Arts, commerce and Science (DSC)** | |
|---|---|
| 1 | Environmental science |
| 2 | Biotechnology |
| 3 | Biochemistry |
| 4 | Microbiology |
| 5 | Biomedical sciences |
| 6 | Life sciences |
| 7 | Forensic science |
| 8 | Earth science |
| 9 | Food technology |
| 10 | B Com |
| 11 | Hindi |
| 12 | Education |
| 13 | English |
| 14 | Social work |
| 15 | Economics |

**Table -2** List of Honours Course

**Table 3a**: list of Subject for Science discipline. Select anyone except the major stream given in table 2a.

| Major –III for B.A. (Hons) (DSE) | |
|---|---|
| 1 | Political science |
| 2 | Social work |
| 3 | Hindi |
| 4 | English |
| 5 | Fine Arts |
| 6 | History |
| 7 | Home science |
| 8 | Physical education |
| 9 | Education |
| 10 | Translation |
| 11 | Karyalayi hindi (basic of the official language of India) |

| Major –III for Science (DSE) | |
|---|---|
| 1 | Environmental science |
| 2 | Biotechnology |
| 3 | Chemistry |
| 4 | Mathematics |
| 5 | Home science |
| 6 | Zoology |
| 7 | Forensic science |
| 8 | Earth sciences |
| 9 | Food technology |
| 10 | Agriculture microbiology |
| 11 | Agriculture biotech |
| 12 | Bioinformatics |
| 13 | Physics |

**Table 3b**: list of Subject for Arts discipline. Select anyone except the major stream

| Subject Other faculty Minor -I (GE) | | |
|---|---|---|
| 1 | Agro forestry | Interdisciplinary |
| 2 | Horticulture | Interdisciplinary |
| 3 | Disaster management | Interdisciplinary |
| 4 | Fundamentals of entrepreneurship | Interdisciplinary |
| 5 | Business economics | Commerce |
| 6 | Modern political thoughts | Arts |
| 7 | Indian national movement | Arts |
| 8 | Ghandhian philosophy | Arts |
| 9 | Tribal culture | Arts |

**Table 4** list of Subject of GE / Minor – I for science, Commerce and Arts Select one subject for first year and other subject for second year from interdiscipline or from other faculty.

| | | |
|---|---|---|
| 10 | Social security | Arts |
| 11 | Indian arts and culture | Arts |
| 12 | Village and Panchayatiraj | Arts |
| 13 | Manuscript conservation | Arts |
| 14 | Traditional knowldge in Indian medicine and medicinal plants | Interdisciplinary |
| 15 | Alternative medicine | Science |
| 16 | Basics of electronic media | Science |
| 17 | Tools and techniques in bioinformatics | Science |
| 18 | Urban development & economic growth | Interdisciplinary |
| 19 | Non-conventional energy resource | Interdisciplinary |
| 20 | Cyber crime (cryptography) | Interdisciplinary |
| 21 | Dirking water quality assessment | Interdisciplinary |
| 22 | Water conservation and river linking | Interdisciplinary |
| 23 | Energy and environment | Interdisciplinary |
| 24 | Hindi shahitya ka | Interdisciplinary |
| 25 | History of English literature | Interdisciplinary |

**Table 5** list of Skill enhancement courses for science, commerce and Arts disciplines. Select one course in each Semester for first two year ( Sem –I, II, III and IV only)

| **(SEC/AEC) or Minor –II** | |
|---|---|
| 1 | Hand writing document examination |
| 2 | Vedic math |
| 3 | Astrology |
| 4 | Gen stone and dimensional stone |
| 5 | Computer hardware & networking |
| 6 | Soft skill |
| 7 | Tour guide and heritage |
| 8 | Hospital management0 |
| 9 | Clinical diagnostics |
| 10 | Bakery and value added Production |
| 11 | Telly |
| 12 | Food processing |
| 13 | Industrial microbiology |
| 14 | Photography |
| 15 | Chemical sale marketing |
| 16 | Seed technology |
| 17 | Rural development |
| 18 | Community health |
| 19 | Health and hygiene |
| 20 | Organic farming |

**Table 6**: list of Co-currecular courses common for science, commerce and Arts disciplines. Select one course in each Semester for three years (Sem I, II, III, IV, V and VI)

| SN | Course paper | Semester |
|---|---|---|
| 1 | Food and Nutrition | (Semester-I |
| 2 | First Aid and Health | Semester-II |
| 3 | Human Values and Environment Studies | Semester-III |
| 4 | Physical Education and Yoga | Semester-IV |
| 5 | Analytic Ability and Digital Awareness | Semester-V |
| 6 | Communication Skills and Personality Development or Character Building | Semester-VI |

**SEMESTERS**

An academic year is divided into two semesters. The Odd semester may be scheduled from July to December and Even semester from January to June as decided by University from time to time..

**5. ATTENDANCE**

5.1 The expression "a regular course of study" wherever it is used in these Ordinances, means attendance ofat least 75% of the lectures and other teaching in campus / affiliated college in the subject for the examination at which a candidate intends to appear and at such other practical work (such as work in a laboratory) as is required by any Statute, Ordinance or Regulation in force for the time being in theUniversity.

5.2 A shortage up to 5% of the total number of lectures delivered or practical work done in each subject may be condoned by the Principal of the college/ Head of the Department (in case of University Campus) concerned.

5.3 A further shortage up to 10% may be condoned only by the Vice- Chancellor on the specific recommendation of the Principal of the college/Head of the Department concerned (in case of University Campus).

**6 EXAMINATIONS**

6.1 There shall be examinations at the end of each semester as, for odd and even semesters in accordance with the academic calendar of the university. A candidate who does not pass the examination in any course(s) shall be permitted to appear in such failed course(s) in the subsequent examinations upto the maximum duration of the course.

6.2 A candidate shouldgetenrolled/registeredforthefirstsemesterexamination and is mandatory.Ifenrolment/ registration is not possible owing to shortage of attendance / rules prescribed OR belated joining or on medical grounds, such students shall not be permitted to

proceed to the next semester. Such students shall re-dothe first semester in the subsequent term of that semester as a regular student; however, a student of first semester shall be admitted in the second semester, if he/she has successfully completed the firstsemester.

6.2 It shall be mandatory for the student(s) to register for examination in each and every semester (i.e. to fill up the examination form with the requisite fee). If a student fails to register for the examination in any semester, he or she shall not be allowed to appear in that semester as a back paper student.Such student(s) shall appear in the (next) subsequent examination of that semester.

## 7. EVALUATION

### 7.1 Continuous Internal Assessment (CIA)

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade point. Evaluation for each course shall be done by a Continuous Internal Assessment (CIA) by the concerned course teacher as well as by end semester examination and will be consolidated at the end of course. The evaluation must be continuous and holistic and should be based on following parameters:

i. Academic assessment
ii. Skill assessment
iii. Physical assessment
iv. Personality assessment
v. Extra-curricular assessment

### 7.2 THEORY PAPER

Semester Examinations shall be conducted by the university as mentioned in the academic calendar. The Question paper will be set by the examiners appointed by the Vice Chancellor based on the recommendation of the board of studies. The pattern of the question paper shall be as given in annexure II.

i. Internal Assessment(C.I.A.) –25%weightageofacourse

- Test/ Mid-Term Assessment - 10 marks
- Term paper/Presentation on given project/assignment - 10marks
- Attendance/activities – 05marks

ii. End Semester Exam (External examination)– 75% weightage of course

### 7.3 PRACTICAL PAPER

Practical examinations will be conducted by the examiners appointed by the Vice Chancellor on the recommendations of the Board of Studies. Each student has to present the practical records.

i. Internal Assessment(C.I.A.) –25%weightageofacourse

- Test/ Mid-Term Assessment - 10 marks
- Term paper/Presentation on given project/assignment - 10marks
- Attendance/activities – 05marks

ii. End Semester Exam (External examination)– 75% weightage of a course

The minimum passing standard for combined external and internal examinations for each subject/paper shall be 33%, i.e. 33 out of 100 marks for theory and practical courses. The minimum passing standard for Aggregate in a semester end Examination shall be 33%.

Continuous Internal Assessment (CIA) shall be ensured by the colleges. The colleges shall provide the marks of the same to the university and it shall be mandatory for the colleges to maintain the records of the same till the maximum duration of that course.

The internal assessment, field training and practical examination awards of a student who fails in any semester examination shall be carried forward to the next examination.

# 8. PROMOTION

### 8.1 MINIMUM PASSING STANDARD

1. The minimum passing standard for combined external and internal examinations for each subject/paper shall be 45%,i.e. 45 out of 100 marks for theory and practical courses. The minimum passing standard for Aggregate in a semester end Examination shall be 45%.

2. Continuous Internal Assessment (CIA) shall be ensured by the Principal of the colleges / HODs for the Campuses courses. The Principal of the colleges / HODs of the Campus shall provide the marks of the same to the universityand it shall be mandatory to maintain the records of the same till the maximum duration of that course.

3. The internal assessment, field training and practical examination awards of a student who fails in any semester examination shall be carried forward to the next examination.

4. It shall be mandatory for a student to secure minimum 45% marks (i.e. 34/75) in the theory and practical paper separately.

8.2 The conditions for the promotion from the current even semester to the next odd semester i.e. current year to next year shall be as follows:

**(a)** A student shall be required to have passed in minimum 50% of the Credit papers ( including theory and practical) out of the total required credit papers (Major and Minor ) in that current year ( both semesters taken together) **and;**

(b) A student should have to pass minimum 50% credit papers out of total credit papers of the all the Major subjects/papers ( theory and practical)

Note: For the purpose of calculation of 50% credits, the decimal points shall not be considered. For example 27.6 or 27.3 both shall be counted as 27 only.

8.3 In the case of promotion from the second year to the third year, it shall be mandatory for a student to pass in all the major, minor/ skill development, etc. and other qualifying papers (co-curricular papers with required credits ) i.e. 46 credits of First Year.

## 8.4 Promotion Rules

### 8.4.1 Semester Course & Examination:

The students who have taken admission in any Undergraduate programme in a session and who have put in the minimum percentage of attendance for appearing at the Examination, presented himself/herself for internal assessment and have filled in the examination form in time for appearing at the End Semester Examination shall be allowed to appear at the respective examinations.

### 8.4.2 Declaration of Results

After appearing in the Examination of both the semesters in a particular year, the student can be put in the following categories in the context of declaration of the results of the Semester Examination:

(i) Passed
(ii) Failed

## 8.5 Promotion to Next Semester:

8.5.1 All students under category Passed and promoted with back papers shall be promoted to the next Semester.

8.5.2 "Failed" students may clear their UNCLEARED courses in subsequent examinations as ex-students.

8.5.3 Students promoted with back papers shall clear their back papers in subsequent examinations as ex-students.

8.5.4 A student who has failed in a course shall get two more chances to clear this course subject to the maximum duration for passing the course. Further, each candidate shall have to clear all the courses within the maximum period of nine years from the date of his/her latest admission.

## 9. Exit Option:

The minimum credit to be earned by a student per semester is 23 credits and the maximum is 31 credits. However, students are advised to earn 23 credits per semester. This provision is meant to provide students the comfort of the flexibility of semester-wise academic load and to learn at his/her own pace. However, the mandatory number of credits have to be secured for the purpose of award of Undergraduate Certificate/ Undergraduate Diploma/ Appropriate Bachelor's Degree in the field of Study/Discipline, to a student who chooses to exit at the end of even semesters (details provided in the table below).

| Sl No | Type of Award | Stage of exit | Mandatory credits to be secured for the award |
|---|---|---|---|

| | | | |
|---|---|---|---|
| **1** | **Undergraduate Certificate in the field of study/discipline** | **After successful completion of Semester II** | **46** |
| **2** | **Undergraduate Diploma in the field of study/discipline** | **After successful completion of Semester IV** | **92** |
| **3** | **Bachelor of Honours of core course of study** | **After successful completion of Semester VI** | **132** |
| **4** | **Bachelor of Honours of core course of study with research** | **After successful completion of Semester VIII** | |

## 10 PROMOTION RULES

### 10.1 Semester Course & Examination:

The students who have taken admission in any post-graduation programme in a session and who have put in the minimum percentage of attendance for appearing at the Examination, presented himself/herself for internal assessment and have filled in the examination form in time for appearing at the End Semester Examination shall be allowed to appear at the respective examinations.

### 10.2 Declaration of results

After appearing in the Examination of both the semesters in a particular year, the student can be put in the following categories in the context of declaration of the results of the Semester Examination:

1)Passed
2)Promoted with Back Paper(s)
3)Failed

### 10.3 Promotion to next Semester:

1) All students under category Passed and promoted with back papers shall be promoted to the next Semester.

3)"Failed" students may clear their UNCLEARED courses in subsequent examinations as ex-students.

2) Students promoted with back papers shall clear their back papers in subsequent examinations

A student who has failed in a course shall get two more chances to clear this course subject to the maximum duration for passing the course. Further, each candidate shall have to clear all the courses within the maximum period of seven years from the date of his/her latest admission.

A candidate who has qualified for the Degree shall be placed in the First / Second Division as per following table:

## 11. COMPUTATION OF SGPA AND CGPA

**11.1** SGPA and CGPA Calculation: This shall be calculated as follows

| | |
|---|---|
| For jth semester<br><br>SGPA (Sj) = ∑(Ci x Gi) / ∑Ci | Where,<br>Ci = number of credits of the ith course in jth semester<br><br>Gi = grade point scored by the student in the ith course in the jth semester |
| CGPA = ∑( Cj x Sj) / Cj | Where,<br>Sj = SGPA OF THE JTH SEMESTER<br>Cj = total number of credits in the jth semester |

a. CGPA shall be converted into percentage using the following formula:

Equivalent percentage = CGPA x 9.5

## 12. AWARD OF DIVISION

A candidate who has qualified for the Degree shall be placed in the First / Second / Third Division as follows:

| **DIVISION** | **CLASSIFICATION** |
|---|---|
| FIRST DIVISION | CGPA of 6.50 or more but less than 10.00 |
| SECOND DIVISION | CGPA of 5.00 or more but less than 6.50 |
| THIRD DIVISION | CGPA of 4.00 or more but less than 5.00 |

# 13GRADING SYSTEM

| Letter Grade | Detail | Limit of Number | Numerical grade |
|---|---|---|---|
| O | outstanding | 91-100 | 10 |
| A+ | Excellent | 81-90 | 9 |
| A | very good | 71-80 | 8 |
| B+ | Good | 61-70 | 7 |
| B | Above average | 51-60 | 6 |
| C | Average | 41-50 | 5 |

| | | | |
|---|---|---|---|
| P | Pass | 33-40 | 4 |
| F | Fail | 0-32 | 0 |
| Ab | Absent | Absent | 0 |
| Q | Qualified | | |
| NQ | Not Qualified | | |

**8.1** The grade for Q as qualified shall be awarded for the qualifying papers and NQ for Not Qualified papers.

**8.2** The Pass percentage in all the major and minor subjects in each Course / papers (All theory and Practical) shall be 40% ( thirty three percent)

**8.3 Co-curricular courses and Minor Projects** shall be qualifying and the qualifying percentage shall be 40%. In case the courses are training & practical based, then evaluation shall be as follows:

**8.4 For the Skill Development Courses / Vocational** courses in the syllabus which are also are credit courses , the minimum passing marks shall be 40 % . The maximum marks for these papers shall be 100 marks which includes Sixty percent (60%) marks for Training & Practical and forty percent (40%) marks for theory. The student shall be required to score 40% qualifying marks as aggregate of internal and external and not individually in the internal and external separately.

**8.5** Internal examination shall carry 25% weightage and external examination shall carry 75% weightage of the total marks.

For example:

**A. THEORY**

TOTAL MARKS: 40

Internal Marks: 10

External Exam : 30

**B. PRACTICAL**

TOTAL MARKS: 60

Internal Marks: 10

External Exam : 30

**8.6** In every major and minor course / paper (all the theory and practical) the maximum marks shall be 100. out of which 25 marks shall be for the internal evaluation and 75 marks shall be for the external evaluation. In every Major and Minor course/ paper (theory and Practical), the student shall be required to score as follows:

**8.6.1** The passing marks for Major and Minor subjects/papers ( theory and practical ) are as follows

(i) Minimum 25 marks out of 75 is mandatorily required ( i.e. 33% of 75)

(ii) Minimum 33 out of 100 marks are required to pass in the exam (internal + external) taken together.

**8.6.2** The passing marks for Co-Curricular papers and Minor Projects shall be as follows:

(i) Minimum 30 marks out of 75 is mandatorily required ( i.e. 40% of 75)

(ii) Minimum 40 marks out of 100 are required to pass in the internal and external exam taken together.

**8.7** It shall not be mandatory for a student to score minimum passing marks in the internal examination of any course/paper. In case a student secures zero marks or is absent in the internal examination but he/she secures minimum passing percentage i.e. 33% in Major and Minor subjects/papers and 40% in Co-curricular/ Minor research papers, shall be considered as pass in the respective subject/paper.

**8.8 No Grace shall be awarded to the candidate.**

**8.9** A student who obtains Grades "O" or "P" shall be considered as PASSED. If a student secures "F"grade, he/she shall be considered as FAILED and shall have to re-appear in the examination**.** It is mandatory for a student to earn the required SGPA in each semester.

**Note:** If a student is not able to secure 33% / P grade in any theory / practical / internal / sessional / viva-voce / internship / project examination, the awarded grade point shall be ZERO (0).

## 9.BACK PAPER OR IMPROVEMENT EXAMINATION

**9.1** There shall be no provision for Improvement or Back paper exam for the Internal assessment/ examination. If a student appears in the Back paper examination ( external ) of the complete semester (all papers), in such cases the university may permit for the internal examination as well. *A student shall not be permitted to appear in the Back paper examination of two complete semesters together at the same time*.

**9.2** Back Paper or Improvement examination facility shall be available only along with respective even or odd semesters examination. The syllabus shall be of current semester in which examination being conducted for Back paper/Improvement.

**9.3** The syllabus of the Back paper or improvement examination in any semester shall be the current available syllabus of that paper in the respective semester.

**9.4** There is no limit to the number of attempts a student can make to appear in the Back paper or Improvement examination for any course/ paper. But this facility shall only be available for the papers of the immediate preceding year of the current year.

A student obtaining Grade "F" shall be considered failed and will be required to re-appear in the examination. Such students after passing the failed subject in subsequent examinations will be awarded with grade respective of the marks she/she scores in the subsequent examinations.

The University has the right to scale/moderate the theory exam / practical exam / internal exam / sessional marks of any subject whenever required for converting of marks into letter grades on the basis of the result statistics of the university as in usual practice.

**Conversion Of Grades Into Percentage**

Conversion formula for the conversion of CGPA into Percentage is as follows:

**CGPA Earned x 9.5 = Percentage of marks scored.**

**Illustration:** CGPA Earned 8.2 x 9.5 = 77.9 %

## 10 UNFAIR MEANS

Cases of unfair means in the End Semester Examinations and Mid-Term Tests shall be dealt as per the rules laid by the University.

**Note:**

1. Those students who are NOT eligible for promotion to next year shall have to reappear in the coming examination as ex-students. However the marks of internal assessment shall be carried forward in such cases.

**2.** Scrutiny facility and Challenge evaluation facility shall be available for those students are not satisfied with their results.

| **B.A. (Hons.) Economics – NEP based Course** | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Major I & II (DSC): Credit 4/5/6** | **Major-III (DSE): Credit 4/5/6** | **Minor-I (GE) Credit 4/5/6** | **Minor- II (SEC/ AEC) Credit 3** | **Minor – III (VAC) qualifying** | **Industrial/ Training Credit 4** | **∑ Credits** |
| SEM-I | DSC -1 Micro Economics I | DSE – 1 Elective: Any one from Table 3(b) | GE – 1 Elective: Any one from Table 4 | SEC – 1 Elective: Any one from Table 5 | VAC – 1 Food and Nutrition | | 25 |
| | DSC -2 Mathematical Methods for Economics I | | | | | | |
| | | | | | | | |
| SEM –II | DSC – 3 Macro Economics I | DSE-1 Elective: Any one from Table 3(b) | | SEC-2 Elective: Any one from Table 5 | VAC-2 First Aid and Health | | 21 |
| | DSC- 4 Mathematical Methods for Economics II | | | | | | |
| **CERTIFICATE IN FACULTY** | | | | | | | 46 |
| SEM –III | DSC-5 Microeconomics II | DSE -1 Elective: Any one from Table 3(b) | GE-2 Elective: Any one from Table 4 | SEC-3 Elective: Any one from Table 5 | VAC-3 Human Values and Environmental Studies | | 25 |
| | DSC-6 Basic Statistics | | | | | | |
| SEM-IV | DSC-7 Macro Economics II | DSE-1 Elective: Any one from Table 3(b) | | SEC-4 Elective: Any one from Table 5 | VAC-4 Physical Education and Yoga | | 21 |
| | DSC-8 | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Money and Financial Market | | | | | | |
| **DIPLOMA IN A FACULTY** | | | | | | | 46 |
| SEM –V | DSC-9 Research Methodology | | | | VAC-5 Analytic Ability and Digital Awareness | Industrial/Training | 20 |
| | DSC-10 Indian Economy | | | | | | |
| | DSC-11 Public Economics | | | | | | |
| SEM-VI | DSC-12 Development Economics | | | | VAC-6 Communication Skills and Personality Development or Character Building | Industrial/Training | 20 |
| | DSC-13 International Economics | | | | | | |
| | DSC-14 Environmental Economics | | | | | | |
| **BACHELOR IN HONS.** | | | | | | | 132 |

**Institute of Economics and Finance,**
**BA (Honors) Economics 1149200**
**Session 2022-23 onwards**

| | | **First Semester (1149201)** | | | |
|---|---|---|---|---|---|
| **S. No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| **1** | **10971** | Micro Economics I | Major-I | 75+25=100 | 6 Credit |
| **2** | **10972** | Mathematical Methods for Economics I | Major-II | 75+25=100 | 6 Credit |
| **3** | | Elective: Any one from Table 3(b) | Major-III | 75+25=100 | 6 Credit |
| **4** | **21125** | Elective: Any one from Table 4 **(Urban Development and Economic Growth)** | Minor –I (GE) | 75+25=100 | 4 Credit |
| **5** | **31129** | Elective: Any one from Table 5 **(Health and Hygiene)** | Minor-II (SEC) | 75+25=100 | 3 Credit |
| **6** | **11141** | Food and Nutrition | Minor –III (VAC-I) | | Qualifying |
| | | | | | **25 Credit** |
| | | **Second Semester (1149202)** | | | |
| **S. No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| **1.** | **20976** | Macro Economics I | Major-I | 75+25=100 | 6 Credit |
| **2** | **20977** | Mathematical Methods for Economics II | Major-II | 75+25=100 | 6 Credit |
| **3** | | Elective: Any one from Table 3(b) | Major-III | 75+25=100 | 6 Credit |
| **4** | **31127** | Elective: Any one from Table 5 **(Rural Development)** | Minor –II (SEC) | 75+25=100 | 3 Credit |
| **5** | **11142** | First Aid and Health | Minor-III (VAC-2) | | Qualifying |
| | | | | | **21 Credit** |
| | | **Third Semester (1149203)** | | | |
| **S. No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| **1.** | **20971** | Micro Economics II | Major-I | 75+25=100 | 6 Credit |
| **2.** | **20972** | Basic Statistics | Major-II | 75+25=100 | 6 Credit |
| **3** | | Elective: Any one from Table 3(b) | Major-III | 75+25=100 | 6 Credit |
| **4** | **21113** | Elective: Any one from Table 4 **(Entrepreneurship)** | Minor –I (GE) | 75+25=100 | 4 Credit |
| **5** | **31118** | Elective: Any one from Table 5 **(Hospital Management)** | Minor – II (SEC) | 75+25=100 | 3 Credit |
| **6** | **21141** | Human Values and Environmental Studies | Minor- III (VAC) | | Qualifying |
| | | | | | **25 Credit** |
| | | **Fourth Semester (1149204)** | | | |
| **S. No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| 1. | **20976** | Macro Economics II | Major –I | 75+25=100 | 6 Credit |
| 2. | **20977** | Money and Financial Market | Major – II | 75+25=100 | 6 Credit |
| 3. | | Elective: Any one from Table 3(b) | Major- III | 75+25=100 | 6 Credit |
| 4. | **31117** | Elective: Any one from Table 5 **(Tour Guide and Heritage)** | Minor –II (SEC) | 75+25=100 | 3 Credit |
| 5. | **21142** | Physical Education and Yoga | Minor – III (VAC) | | Qualifying |
| | | | | | **21 Credit** |
| | | **Fifth Semester (1149205)** | | | |
| **S. No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| **1.** | **30971** | Research Methodology | Major | 75+25=100 | 6 Credit |
| **2** | **30972** | Indian Economy | Major | 75+25=100 | 6 Credit |
| **3** | **30973** | Public Economics | Major | 75+25=100 | 6 Credit |

| | | | | | |
|---|---|---|---|---|---|
| **4** | **31141** | Analytic Ability and Digital Awareness | Minor III (VAC) | | Qualifying |
| | | | | | **18 Credit** |
| | | **Sixth Semester (1149206)** | | | |
| **S. No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| 1 | **30976** | Development Economics | Major | 75+25=100 | 6 Credit |
| 2 | **30977** | International Economics | Major | 75+25=100 | 6 Credit |
| 3 | **30978** | Environmental Economics | Major | 75+25=100 | 6 Credit |
| 4 | **31142** | Communication Skills and Personality Development or Character Building | Minor III (VAC) | | Qualifying |
| 5 | **300979** | 30 days Training or Survey where economic activities are involved (Project submitted in VI semester) | Industrial Training | 100 | 4 Credit |
| | | | | | **22 Credit** |
| | | **Total Credits for all Semesters** | | | **132 Credit** |

| | | | | | |
|---|---|---|---|---|---|
| | | **First Semester** | | | |
| **S.No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| **1** | | Micro Economics I | Major-I | 75+25=100 | 6 Credit |
| **2** | | Mathematical Methods for Economics I | Major-II | 75+25=100 | 6 Credit |
| **3** | | Elective: Any one from Table 3(b) | Major-III | 75+25=100 | 6 Credit |
| **4** | | Elective: Any one from Table 4 | Minor –I (GE) | 75+25=100 | 4 Credit |
| **5** | | Elective: Any one from Table 5 | Minor-II (SEC) | 75+25=100 | 3 Credit |
| **6** | | Food and Nutrition | Minor –III (VAC-I) | | Qualifying |
| | | | | | **25 Credit** |
| | | **Second Semester** | | | |
| **S.No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| **1.** | | Macro Economics I | Major-I | 75+25=100 | 6 Credit |
| **2** | | Mathematical Methods for Economics II | Major-II | 75+25=100 | 6 Credit |
| **3** | | Elective: Any one from Table 3(b) | Major-III | 75+25=100 | 6 Credit |
| **4** | | Elective: Any one from Table 5 | Minor –II (SEC) | 75+25=100 | 3 Credit |
| **5** | | First Aid and Health | Minor-III (VAC-2) | | Qualifying |
| | | | | | **21 Credit** |
| | | **Third Semester** | | | |
| **S.No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| **1.** | | Micro Economics II | Major-I | 75+25=100 | 6 Credit |
| **2.** | | Basic Statistics | Major-II | 75+25=100 | 6 Credit |

| | | | | | |
|---|---|---|---|---|---|
| **3** | | Elective: Any one from Table 3(b) | Major-III | 75+25=100 | 6 Credit |
| **4** | | Elective: Any one from Table 4 | Minor –I (GE) | 75+25=100 | 4 Credit |
| **5** | | Elective: Any one from Table 5 | Minor – II (SEC) | 75+25=100 | 3 Credit |
| **6** | | Human Values and Environmental Studies | Minor- III (VAC) | | Qualifying |
| | | | | | **25 Credit** |
| | | **Fourth Semester** | | | |
| **S.No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| 1. | | Macro Economics II | Major –I | 75+25=100 | 6 Credit |
| 2. | | Money and Financial Market | Major – II | 75+25=100 | 6 Credit |
| 3. | | Elective: Any one from Table 3(b) | Major- III | 75+25=100 | 6 Credit |
| 4. | | Elective: Any one from Table 5 | Minor –II (SEC) | 75+25=100 | 3 Credit |
| 5. | | Physical Education and Yoga | Minor – III (VAC) | | Qualifying |
| | | | | | **21 Credit** |
| | | **Fifth Semester** | | | |
| **S.No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| **1.** | | Research Methodology | Major | 75+25=100 | 6 Credit |
| **2** | | Indian Economy | Major | 75+25=100 | 6 Credit |
| **3** | | Public Economics | Major | 75+25=100 | 6 Credit |
| **4** | | Analytic Ability and Digital Awareness | Minor III (VAC) | | Qualifying |
| | | | | | **18 Credit** |
| | | **Sixth Semester** | | | |
| **S.No.** | **Paper Code** | **Paper Name** | **Nature** | **Max. Marks** | **Credit** |
| 1 | | Development Economics | Major | 75+25=100 | 6 Credit |
| 2 | | International Economics | Major | 75+25=100 | 6 Credit |
| 3 | | Environmental Economics | Major | 75+25=100 | 6 Credit |
| 4 | | Communication Skills and Personality Development or Character Building | Minor III (VAC) | | Qualifying |
| 5 | | 30 days Training or Survey where economic activities are involved (Project submitted in VI semester) | Industrial Training | 100 | 4 Credit |
| | | | | | **22 Credit** |
| | | **Total Credits for all Semesters** | | | **132 Credit** |

## B.A. (Hons.) Economics NEP

**Program Outcome**

1. It aims at holistic development of students by giving them deep knowledge not only in economics but also of other disciplines.
2. It aims to understand the environmental issues and how we can use our resources more wisely and sustainably.
3. The program will also help out in enhancing students' ethical behavior not only towards the organization but also towards the society.
4. It also enables the students to develop effective communication skills through which students can read, write and speak in a better manner.
5. Students can learn how to critically examine the present situation, concerns and human behavior. This also develops critical thinking for better learning.

**Program Specific Outcomes**

1. **Understanding the Working of the Economic System:** Creates an ability to understand the working of a macro economy though the application of microeconomics and macroeconomics theories and principles.
2. **Learning Mathematical and Statistical Skills:** Helps in dealing with data collection, categorization and analysis through using mathematical and statistical tools to solve economic problems.
3. **Understanding the Financial System:** Acquaint with basic knowledge about the financial system. Understanding the components of financial system like money market and capital market.
4. **Understanding the perspective of Indian Economy:** To understand the basic issues related to Indian Economy like demographic indicators, poverty, inequality, unemployment, various sectors of the economy and their contribution. Further how government balances these all through its policy measures and programs.
5. **Learning the Environmental Issues and Strategies:** The course will help out in understanding all environment related concerns. How economic theories can be applied in dealing with environmental analysis, studying the environmental damages and making a cost benefit analysis of environmental decisions.
6. **Understanding the Development Perspective:** Helps in learning the policies and trends of economic development seen through various development theories. It also shows the role of investment in the development of an economy.

**Semester I** **Paper Name: Micro Economics I**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

***Course Outcome***

*The papers will enable the students to understand the core working of the economics system; i.e. how scarce resources are utilized to meet unlimited wants. It also helps in understanding the demand and supply aspect and how a consumer optimizes and sets his equilibrium.*

**Unit-I:**
**Introduction to Economics**
Scope and method of economics; the economic problem: scarcity and Choice; the question of how to distribute output; science of economics; prices, economic systems.

**Unit-II**
**Demand and Supply Analysis**
Markets and competition; determinants of individual demand/supply; demand/supply curve and schedule; market versus individual demand/supply; shifts in demand/supply curve; demand and supply together; elasticity concept and types.

**Unit-III**
**The Households: Consumer Theory- 1**
The consumption decision; Preference; Utility; Indifference Curve Analysis; Properties of Indifference curve; Budget constraint; Consumption and income/price changes; consumer's optimum choice; Income and Substitution Effects.

**Unit -IV**
**Consumer Theory- 2**
Choice; Demand; Hicks and Slutsky equation; Buying and selling; Consumer equilibrium; consumer's surplus; producer's surplus.

**Unit-V**
**Production Analysis**
The production process; isoquant; production with one and more variable inputs; returns to scale

Suggestive Readings:

1. Microeconomics- H.L. Ahuja
2. Microeconomics- J.V. Vaishampayan
3. Microeconomics- Koutsiyanis
4. Microeconomics- Shapiro
5. Microeconomics- Hal A. Varian

**Semester I** **Paper Name: Mathematical Methods for Economics I**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

***Course Outcome***

*It helps in understanding the basic mathematical concepts, functions, basics of integration and differentiation, optimization techniques etc. thus enabling in developing a mathematical aspect for solving economic related problems.*

## Unit-I

### Introduction

Exponents, Polynomials, Equations: Linear and Quadratic Economic Applications of Graphs and Equations

## Unit –II

### The Derivative and the Rules of Differentiation

The Derivative, Differentiability and Rules of Differentiation, Higher-Order Derivatives, Implicit Differentiation.

## Unit –III

### Uses of the Derivative in Mathematics and Economics

Increasing and Decreasing Functions, Concavity and Convexity, Relative Extrema, Optimization of Functions, Marginal Concepts.

## Unit IV

### Calculus of Multivariable Functions

Functions of Several Variables and Partial Derivatives, Rules of Partial Differentiation, Second-Order Partial Derivatives, Optimization of Multivariable Functions, Constrained Optimization with Lagrange Multipliers, Total and Partial Differentials.

## Unit –V

### Use of Multivariable Functions in Economics

Marginal Productivity, Income Determination, Multipliers and Comparative Statics, Income and Cross Price Elasticities of Demand, Differentials and Incremental Changes.

## Reading:


1. Essential Mathematics For Economic Analysis. K. Sydsater And P. Hammond, Pearson, Educational Asia, Delhi 2002. Isbn: 978-1-292-07461-0
2. Theory And Problems Of Introduction To Mathematical Economics. Edward T. Dowling. Schaum's Outline Series Mcgraw-Hill. Isbn: 978-0-07-161015-5
3. Essential Mathematics For Economics And Business. Teresa Bradley & Paul Patton. John Wiley & Sons, Ltd. Isbn 0-470-84466-3

**Semester II** **Paper Name: Macro Economics I**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

***Course Outcomes***

*It helps in understanding why microeconomics concepts cannot be applied at a macro level; how is national income determined, what are the concepts of National Income especially consumption and investment. How an economy does sets its equilibrium through the synthesis of product and money market. Also the basic issue of an economy that is changes in price level and business cycles effects the working of an economy.*

**Unit- I**

**Introduction to Macroeconomics and National Income Accounting**

Difference between Micro and Macro economics; Paradox; Basic issues studied in macroeconomics; Measurement of gross domestic product; income, expenditure and the circular flow; real versus nominal GDP; national income accounting.

**Unit-II**

**Consumption and Investment**

Consumption behavior; MPC, APC, MPS, APS, Theories of Consumption: Absolute Income Hypothesis; Relative Income Hypothesis; Life Cycle Hypothesis; Permanent Income Hypothesis.

Investment: Determinants of Investment; MEC and MEI; Theory of Multiplier.

**Unit-III**

**Closed Economy in the Short Run**

Classical and Keynesian systems; simple Keynesian model of Income determination; fiscal and monetary multipliers; IS-LM Model- integration of goods and money market, Effects of Fiscal and Monetary Policy.

**Unit-IV**

**Aggregate Demand and Aggregate Supply Curves**

Derivation of aggregate demand and aggregate supply curve; integration of aggregate demand and aggregate supply.

**Unit-V**

**Inflation and Business Cycles**

Introduction; Concept; Theories; Types; Phillips Curve; adaptive and rational expectations.

Business Cycles: Features, Phases; Theories of Business Cycles: Hawtrey; Innovation; Hicks.

**Suggestive Readings:**

1. **Macroeconomics- H.L. Ahuja**
2. **Macroeconomics- N. Gregory Mankiw**
3. **Macroeconomics: Theory and Policy- D.N. Dwivedi**
4. **Macroeconomics- Paul Krugman**

**Semester II** **Paper Name: Mathematical Methods for Economics II**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

*Course Outcome:*

*It helps in understanding advanced knowledge on the exponential and logarithm functions; also an insight is developed on Matrix Algebra, Constrained optimization and input output analysis.*

## Unit –I

### Exponential and Logarithmic Functions

Exponential Functions, Logarithmic Functions, Properties of Exponents and Logarithms. Converting Exponential to Natural Exponential Functions, Estimating Growth Rates from Data Points.

## Unit –II

### Differentiation of Exponential and Logarithmic Functions

Rules of Differentiation, Higher-Order Derivatives, Partial Derivatives, Optimization of Exponential and Logarithmic Functions. Alternative Measures of Growth, Optimal Timing, Derivation of a Cobb-Douglas Demand Function Using a Logarithmic Transformation.

## Unit –III

### The Fundamentals of Linear (or Matrix) Algebra

The Role of Linear Algebra, Addition and Subtraction of Matrices, Scalar Multiplication, Vector Multiplication, Multiplication of Matrices, Commutative, Associative and Distributive Laws in Matrix Algebra, Matrix Expression of a System of Linear Equations. Solving Linear Equations with the Inverse.

## Unit –IV

### Special Determinants and Matrices and Their Use in Economics

The Jacobian, The Hessian, The Discriminant, Higher-Order Hessians, The Bordered Hessian for Constrained Optimization, Input-Output Analysis

## Unit –V

### Comparative Statics and Concave Programming

Introduction to Comparative Statics, Comparative Statics with One Endogenous Variable, Comparative Statics with More Than One Endogenous Variable, Statics for Optimization Problems, Comparative Statics Used in Constrained Optimization, Envelope Theorem, Concave Programming

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## Reading:


1. Essential Mathematics For Economic Analysis. K. Sydsater And P. Hammond, Pearson, Educational Asia, Delhi 2002. Isbn: 978-1-292-07461-0
2. Theory And Problems Of Introduction To Mathematical Economics. Edward T. Dowling. Schaum's Outline Series Mcgraw-Hill. Isbn: 978-0-07-161015-5
3. Essential Mathematics For Economics And Business. Teresa Bradley & Paul Patton. John Wiley & Sons, Ltd. Isbn 0-470-84466-3

**Semester III** **Paper: Micro Economics II**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*The students will learn how cost is determined for a product and what are the laws related to cost. They will also be able to know about various markets based on competition like the perfect and imperfect market and also their features and working. Also they will be able to understand the general equilibrium aspect of welfare economics and how information can cause market failure.*

**Unit-I**

**Theory of Cost**

Short run and long run costs and output decisions; External economies and Diseconomies and cost curves, L- shaped long run Average cost curve, learning curve, Algebraic form of cost functions- Linear, Quadratic and Cubic.

**Unit-II**

**Market Structure: Perfect Competition**

Perfect competition; Characteristics; Price and Output determination in Short run and Long Run.

**Unit – III**

**Market Structure: Imperfect Competition**

Monopoly; Pricing with market power; price discrimination; peak load pricing; Monopolistic competition; Oligopoly; Cournot model; Chamberlin Model; Kinked demand model.

**Unit-IV**

**General Equilibrium, Efficiency and Welfare**

Equilibrium and Efficiency under pure exchange and production; overall efficiency and welfare economics.

**Unit-V**

**Information Problem**

Market with asymmetric information- adverse selection & moral hazard; Market Signaling.

Suggestive Readings:


1. Microeconomics- H.L. Ahuja
2. Microeconomics- J.V. Vaishampayan
3. Microeconomics- Koutsiyanis
4. Microeconomics- Shapiro
5. Microeconomics- Hal A. Varian

**Semester III** **Paper: Basic Statistics**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*This paper will enable the students to develop basic statistical knowledge which is necessary for data handling and analysis. The importance of averages, the probability approach and how we can draw out relation between variables can be learnt through correlation and regression model. The changes in price level are well learnt through the index number approach and time series data help in analysis long term data. Thus this paper helps in developing an application based learning for the students.*

**BA: STATISTICAL METHODS FOR ECONOMICS**

**Unit I:** Nature, scope, function and significance of statistics, Sampling, Data collection, Data analysis

**Unit II:** Measurement of central tendenciesn, Mode, Median, Geometric Mean, Harmonic Mean.

Dispersion: Standard Deviation, Coefficient of Variaton.

**Unit III:** Correlation Analysis: types of Correlation, Mearsurement of Correlation Coefficient. Regression Analysis, Time series.

**Unit IV:** Probability theories, Addition and Multiplication theorem, Conditional Theorem.

**Unit IV:** Parameteric and Non Parametric testing: Z-Test, t-Test, F-Test.

**Suggested Readings:**

1. **Statistics- S.P. Gupta**
2. **Fundamentals of Statistics- S.C. Gupta**
3. **Basic Statistics- B.L. Agarwal**

**Semester IV** **Paper: Macro Economics II**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*This paper concentrates on developing an understanding on not only the economic thoughts from classical to new classical and Keynesians but also views an economy from the eyes of an open economy dealing with international linkages. Also an insight is developed in terms of how growth is ensured through basic growth models and learning is enhanced through elaborating the importance of money in the economy and the core policy frameworks for bringing in stability in an economy.*

**Unit-I**

**Open Economy Models**

Short run open economy models; Mundell-Fleming model; exchange rate determination; purchasing power parity; monetary approach to balance of payments; International financial markets.

**Unit-II**

**Economic Growth**

Harrod-Domar model; Solow model; golden rule; technological progress and elements of endogeneous growth.

**Unit-III**

**Fiscal and Monetary policy**

Active or Passive; monetary & fiscal policy; Tools; objectives and targets.

**Unit-IV**

**Money**

Functions of Money; Concept of Money; Demand for money: Theories of Friedman; Baumol and Tobin; Supply of Money.

**Unit-V**

**School of Macroeconomic Thoughts**

Classicals; Keynesians; New-Classicals and New-Keynesians.

**Suggestive Readings:**

1. **Macroeconomics- H.L. Ahuja**
2. **Macroeconomics- N. Gregory Mankiw**
3. **Macroeconomics: Theory and Policy- D.N. Dwivedi**
4. **Macroeconomics- Paul Krugman**

**Semester IV** **Paper: Money and Financial Markets**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*The paper highlights on the importance of money supply in the economy. It develops an understanding on the entire financial system through the contribution of financial institutions; the instruments of financial market i.e. the money and capital market; the role of interest rate and the entire working of the Banking System.*

**Unit – I**

**Money**

Concept, functions, measurement of money supply in India.

**Unit – II**

**Financial Institutions, Markets, Instruments and Financial Innovations**

a. Role of financial markets and institutions; financial crises: Great depression of 1930's and Subprime Crisis 2007-09

b. Money and Capital Markets: organization, structure and reforms in India; role of financial derivatives

**Unit-III**

**Interest Rates**

Determination; sources of interest rate differentials; theories of term structure interest rates: Expectation Theory; Market Segmentation Theory and Liquidity Preference Theory.

**Unit – IV**

**Banking System**

Indian banking system: Functions of Commercial banks; Changing role and structure; banking sector reforms.

**Unit-V**

**Central Banking and Monetary Policy**

Functions of a Central Bank; indicators and instruments of monetary control; monetary management in an open economy.

**Suggestive Readings:**

1. **Money, Banking and Financial Market- T.R. Jain.**
2. **Financial System and Banking Institutions – Dr. Radhika Choudhary**
3. **Money and Financial Markets- Niti Bhasin**

**Semester V** **Paper: Research Methodology**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*This paper will help students in learning the importance of research; how the research is done; what is sample; how sampling is done and how data can be collected. How you can test data and how report is prepared. This will help the students in preparing their project reports.*

**Unit-I**

**Introduction to Research**

Research: Meaning, Objectives, Types of Research, Research Approaches, Motives and Significance. Research Methods and Methodology, Research Process.

**Unit-II**

**Research Problem and Design**

Research Problem: Definition, Techniques involved in defining Research problem,
Research Design: Meaning, Importance and Features.

**Unit- III**

**Sampling and Data Collection**

Meaning, Difference between Sample and Census; Steps in Sampling, Types of Sampling.
Data Collection: Meaning, Types of Data, Data Collection Methods both Primary and Secondary; Difference between a Schedule and Questionnaire

**Unit-IV**

**Measurement and Scaling of Data**

Data, Measurement of Data- Nominal, Ordinal, Ratio and Interval; Various Scales: Likert Scale;

**Unit-V**

**Hypothesis Testing and Report Writing**

Hypothesis: Meaning, Types of Hypothesis, Type I and Type II Error; Testing of Hypothesis: T test, Z test, Chi Square.
Report Writing: Interpreting Results and Steps in Report writing.

Suggested Reading:


1. Research Methodology- C.R. Kothari
2. Research Methodology- Deepak Chawla and Neena Sodhi
3. Research Methodology- Ranjit Kumar

**Semester V** **Paper: Indian Economy**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome**

*This paper helps in understanding the demographic variables and the population and human development. It also helps to understand the international comparisons and to have a deep insight into macroeconomic policies and their impact. Also an understanding on the various sectors of the economy and their development over the time period is learnt in this paper.*

**Unit I**

**Economics Development since Independence**

Concept of Developed and Developing Economy; Major features of the economy at independence; growth and development under different policy regimes – goals, constraints, institutions and policy framework;

**Unit II**

**Macro Economic Policies and their Impact**

Fiscal Policy; Trade and Investment Policy; Financial and monetary Policies

**Unit III**

**Policies and Performance in various sectors**

Agricultural – Growth; Productivity; agrarian structure; Different Revolutions.
Industries: Growth; diversification; small scale industries, public sector; competition policy.
Service Sector: Components and Growth.

**Unit – IV**

**Population and Human Development**

Demographic trends and issues, Education; health and malnutrition; HDI and PQLI.

**Unit V**

**Growth and Distribution**

Trends and policies in poverty; inequality and unemployment

**Suggestive Readings:**

1. **Indian Economy- Dutt and Sundaram**
2. **Indian Economy- Mishra and Puri**
3. **Indian Economy- Sinha**

**Semester V** **Paper: Public Economics**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*This paper helps in understanding the management of resources by the government in the economy. How the government manages its income and expenditure and also helps in learning the budgetary structure of India and the reforms in it.*

**Unit-I Public Economic Theory**

a. Fiscal functions: an overview
b. Public Goods: definition, models of efficient allocation, free riding
c. Externalities: the problem and its solution, taxes versus regulation, property rights, the Coase theorem

**Unit-II Taxation**

Taxation: its economics effects; dead weight loss, efficiency and equity considerations, tax incidence, optimal taxation.

**Unit-III Indian Public Finances- Taxation System**

Tax system: structure and reforms

**Unit-IV Budget**

Budget, deficits and public debts

**Unit-V Fiscal Federalism**

Fiscal federalism in India

Suggestive Readings:


1. Public Finance- H.L. Bhatia.
2. Public Economics - Musgrave and Musgrave.
3. Public Finance- R.K. Lekhi and Joginder Singh

**Semester VI** **Paper: Development Economics**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*This paper enhances the knowledge on the various indicators of development and their measurement techniques. It also helps in learning various growth models. It envisages the challenges a changes for our economy related to poverty and unemployment; the demographic variables and environmental and sustainable development.*

**Unit-I Conceptions of Development**
Distinction between economic growth and economic development; Alternative measures of economic development- PCI, GNP, GDP, HDI, PQLI, GEM, GEI

**Unit-II Growth Models and Empirics**
Harrod Domar model, Solow model, Endogenous Growth model

**Unit-III Poverty and Inequality: Definition, Measures and Mechanism**
Characteristics of poor; poverty traps; poverty measurement; connections between inequality and development; a comparison of commonly used inequality measures; Inequality axioms

**Unit-IV Demography and Development**
Demographic concepts; birth and death rates, age structure, fertility and mortality; migration; demographic transitions during the process of development; connections between income, mortality, fertility choices and human capital accumulations;

**Unit-V Environment and Sustainable development**
Defining sustainability for renewable resources; a brief history of environmental change; common-pool resources; environmental externalities and state regulation of the environment, economic activity and climate change

Suggestive Readings:

1. The Economics of Development and Planning- R.K. Lekhi
2. Development Economics- H. L. Ahuja
3. The Economics of Development and Planning- M.L. Jhingan

**Semester VI** **Paper: International Economics**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*This paper builds knowledge on the grounds and reasons for entering in International Trade. What are the theories and perspective of international trade and what role does exchange rate plays in the international market. It also helps in learning the policy measures adopted by governments related to protection of their industries and other trade related policies.*

**Unit-I Introduction**

International economics: An overview of world trade

**Unit-II Theories of International Trade-I**

Adam Smith, The Ricardian and Hecksher-Ohlin models

**Unit-III Terms of Trade & Gains from Trade**

Offer Curves, Terms of Trade and Gains from Trade

**Unit-IV Trade Policy**

Instruments of trade policy; Tariffs & Quota, Optimum Tariff; Free Trade Vs Protection

**Unit-V International Macroeconomic Policy**

Fixed versus flexible exchange rates; international monetary systems; financial globalization and financial crises

**Suggestive Readings:**

1. **International Economics- M.L. Jhingan**
2. **International Economics- Mannur**
3. **International Economics- D.M. Mithani**

**Semester VI** **Paper: Environmental Economics**

**Maximum Marks: 100** **Written Paper: 75** **Internal Assesment:25** **Credit 6**

**Course Outcome:**

*This paper helps in understanding the design and Implementation of Environmental Policy and also knowing the International Environmental Problems. Further it also enables in enhancing the knowledge regarding measurement the benefits of environmental improvements.*

**Unit: I Introduction**

What is environmental economics; review of microeconomics and welfare economics

**Unit: II Theory of Externalities**

Pareto optimality and market failure in the presence of externalities; property rights and the coase theorem

**Unit: III The design and Implementation of Environmental Policy**

Overview; pigouvian taxes and effluent fee; tradable permits; choice between taxes and quotas; implementation of environmental policy

**Unit: IV International Environmental Problems**

Trans-boundary environmental problems; economics of climate change; trade and environment

**Unit: V Measuring the Benefits of Environmental Improvements**

Non market values and measurement methods; Sustainable development- concept and measurement

**Suggestive Readings:**

1. **Environmental Economics: Theory and Application- Katar Singh and Anil Shisodhia**
2. **Environmental Economics- N. Mani**
3. **Environmental Economics- Dr. M. Karpagam**