

**Syllabus for
Bachelor of Arts in Economics (Gen/Pass)
Faculty of Social Science
Under Choice Based Credit System**

**Academic Session:
w.e.f. 2020-2023**



for
**All Constituent/Affiliated Colleges Under
Binod Bihari Mahto Koyalanchal University, Dhanbad**

Members of Board of Studies of CBCS Under- Graduate Syllabus as per Guidelines of the Binod Bihari Mahto Koyalanchal University, Dhanbad

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ii) **Dr. Madhumita Das Gupta, Associate Professor, University Department of Economics, Ranchi University, Ranchi**

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4. Invited members

i) **Dr Sanjay Prasad, Associate Professor, G.N. College, Dhanbad**

ii) **Dr. Devendra Prasad, Asst. Profesor, P.K.R.M. College, Dhanbad**

iii) **Ms. Shobha Sarita, Asst. Profesor, S.S.L.N.T.M. College, Dhanbad**

iv) **Dr. Mita Malkhandi, Asst. Profesor (C), S.S.L.N.T.M. College, Dhanbad.**

v) **Ms. Sadhna, Asst. Profesor, G.N. College, Dhanbad**

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COURSE STRUCTURE

- Students of Honours in any course** have to study one paper as General Elective(GE) in Semesters I,II, III and IV in a subject XYZ of their choice. For students who opt for Economics (ECN) , the course structure and syllabus is given below. The respective codes in the four semesters are: ECN-H-GE-101-T, ECN-H-GE-202-T, ECN-H-GE-303-T and ECN-H-GE-404-T respectively.
- Students of Pass course /General have to select 3 Disciplines. Those who opt for Economics as a core Course** , have to study one paper of Economics as Discipline Specific Choice (DSC) Paper in Semesters I,II,III and IV. The respective codes are: ECN-G-DSC-101A-T; ECN-G-DSC-201 B-T; ECN-G-DSC-301 C -T and ECN-G-DSC-401 D-T respectively . In semesters V and VI they shall study Discipline Selective Elective (DSE) papers from Economics . The codes of papers shall be ECN-G-DSE-501A-T and ECN-G-DSE-602B-T Students of General/Pass Course in have also to study one Ability Enhancement Compulsory Course (AECC) in Semesters I and II . (see Annexure 1 for Syllabus). They shall study one compulsory paper under Skill Enhancement Course (SEC) in semester III , IV and V and one SEC paper as per choice in Semester VI. (See Annexure 2 for choices offered and syllabus)

| Semester | Course code | Name of Paper | Full marks | End Sem. Marks | Mid-Sem. (Internal) Marks |
|-----------------|---|------------------------|-------------------|-----------------------|----------------------------------|
| I | ECN-H-GE-101-T/ ECN-G-DSC-101A-T (06 credits, 60 lectures and 15 tutorials) | Intermediate Economics | 100 | 80 | 20 |

| | | | | | |
|----|---|--|-----|----|----|
| | ECN-G-DSC-102A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | First Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
| | ECN-G-DSC-103A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | First Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
| | ECN-G-AECC-101-T Language (English/Hindi/NH+M B) (02 Credits, 30 Lectures) | Choice of language paper (see Annexure 1 for choice and syllabus) | 50 | 40 | 10 |
| II | ECN-H-GE-202-T/ ECN-G-DSC-201B-T (06 Credits, 60 Lectures & 15 Tutorials) | Money and Banking | 100 | 80 | 20 |

| | | | | | |
|-----|---|---|-----|----|----|
| | ECN-G-DSC-202B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Second Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
| | ECN-G-DSC-203B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Second Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | |
| | ECN - G -AECC -202 - T Environmental Science (02 Credits, 30 Lectures) | Environmental science (see Annexure 1 for syllabus) | 50 | 40 | 10 |
| III | ECN-H-GE-303-T/ ECN - G -DSC -301 C - T (06 Credits, 60 Lectures & 15 Tutorials) | Economics of product and factor market | 100 | 80 | 20 |

| | | | | | |
|----|--|--|-----|----|----|
| | ECN-G-DSC-302C-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Third Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
| | ECN- G -DSC -303C-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Third Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
| | ECN - G -SEC -301-T (02 Credits, 30 Lectures) (Annexure -2) | Constitution of India and Human Rights (see Annexure 2 for syllabus) | 50 | 40 | 10 |
| IV | ECN-H-GE-404-T/ ECN - G -DSC -401 D - T (06 Credits, 60 Lectures & 15 Tutorials) | Indian Economy | 100 | 80 | 20 |

| | | | | | |
|---|--|--|-----|----|----|
| | ECN-G-DSC-402D-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Forth Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
| | ECN - G -DSC -403D - T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Fourth Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
| | ECN - G -SEC -402 - T (02 Credits, 30 Lectures) (Annexure -1) | Environment and Public Health | 50 | 40 | 10 |
| V | ECN-G-DSE-501A-T (06 Credits, 60 Lectures & 15 Tutorials) | Economics of growth and development | 100 | 80 | 20 |

| | | | | | |
|----|---|--|-----|----|----|
| | ECN-G-DSE-502A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Fifth Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
| | ECN-G-DSE-503A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Fifth Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
| | ECN - G -SEC -503 - T (02 Credits, 30 Lectures) (Annexure -1) | Computer applications and information technology (See Annexure 2 for syllabus) | 50 | 40 | 10 |
| VI | ECN -G-DSE-601B-T (06 Credits, 60 Lectures & 15 Tutorials) | Public finance and International Trade | 100 | 80 | 20 |

| | | | | | |
|--|---|--|-------------|-------------|------------|
| | ECN-G-DSE-602B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Sixth Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
| | ECN-G-DSE-603B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Sixth Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
| | ECN-G-SEC-604-T (02 Credits, 30 Lectures) (Annexure-1) | Choice of one SEC paper from Annexure 2 (See annexure 2 for choice) | 50 | 40 | 10 |
| | Total Marks | | 2100 | 1680 | 420 |

Note:

• **Symbol of Paper: ECN-H-C-101-T:** The first three symbols in Roman capital letters indicate the subject; the next symbol H or G indicate Honours or General course; the next symbol(s) denotes Core (C), Generic Elective (GE), Discipline Specific Elective (DSE), Discipline Specific Choice (DSC), AECC, SEC, etc. Out of the next three digits, the first digit indicates the semester e.g. 1,2,3,4,5,6 for semester I, II, III, IV, V, VI respectively, and the next two digits indicate paper number. The last letter T indicates Theory.

SEMESTER-I

| | | | | |
|--|---------------------------|-----|----|----|
| ECN-H-GE-101-T/ ECN-G-DSC-101A-T (06 credits, 60 lectures and 15 tutorials) | Intermediate Economics | 100 | 80 | 20 |
|--|---------------------------|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :-***Mid Semester Examination (MSE):***

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE):

Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 marks each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered.

Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit I: Introduction

1.1: Subject Matter of Economics; Central Economic Problems; Production Possibility Frontier.

1.2: Micro and Macro Economics; Positive and Normative Economics.

Unit 2: Consumer Behaviour and Demand

2.1: Cardinal Utility Analysis: Total and marginal Utility; Law of Diminishing Marginal Utility; Law of Equi-Marginal Utility; Consumer's Equilibrium.

2.2: Ordinal Utility Analysis: Indifference Curves; Budget Constraints; Consumer's Equilibrium.

2.3: Consumer's Surplus: Marshall and Hicks.

2.6: Theory of Demand; Elasticity of Demand: Price, Income and Cross.

Unit 3: Theory of Production

3.1: Production Function: Short Run and Long Run.

3.2: Law of Variable Proportions; Returns to Scale: Economies of Scale.

3.3: Isoquant Analysis; Iso-Cost Line; Producer's Equilibrium.

Readings:

1. Micro Economics (Hindi/English)- M.L.Seth- Laxmi Narayan Publication
2. Micro Economics (Hindi/English)- T.T.Sethi-Laxmi narayan Publication
3. Principles of Economics- P.N Chopra- Kalyani Publication
- 4 Intermediate Microeconomics, Hal R. Varian, 8th edition, W.W. Norton and Company/Affiliated East-West Press
5. Micro economics- M.L.Jhingan- Vrinda publication

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|---|---|-----|----|----|
| ECN-G-DSC-102A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | First Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
|---|---|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|--|-----|----|----|
| ECN-G-DSC-103A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | First Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
|---|--|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|--|----|----|----|
| ECN-G-AECC-101-T Language (English/Hindi/NH+MB) (02 Credits, 30 Lectures) | Choice of language paper (see Annexure 1 for choice and syllabus) | 50 | 40 | 10 |
|---|--|----|----|----|

Credits 02, Lectures 30

Marks: 10(MSE)+ 40 (ESE) =50

Pass Marks: (MSE:04 + ESE: 16) = 20

SEMESTER II

| | | | | |
|--|----------------------|-----|----|----|
| ECN-H-GE-202-T/ ECN-G-DSC-201B-T (06 Credits, 60 Lectures & 15 Tutorials) | Money and Banking | 100 | 80 | 20 |
|--|----------------------|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :-***Mid Semester Examination (MSE):***

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE):

Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 marks each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered.

Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Money

1.1 : Money : Meaning and Functions of Money , Role of Money in Capitalistic , Socialistic & Mixed Economies

1.2 : Quantity Theory of Money : Cash Transactions Approach and Cash Balance Approach

Unit 2: Inflation

2.1: Definition, Types, Causes and Effects of Inflation

2.2: Measures to Control Inflation

2.3: Concept of Inflationary Gap

Unit 3: Central Banking

3.1: Objectives and Functions of Central Bank with reference to RBI

3.2: Quantitative and Qualitative Methods of Credit Control

Unit 4: Commercial Banking

4.1: Meaning, Types and Functions of Commercial Banks

4.2: Process of Credit Creation

4.3: Critical Evaluation of Commercial Banking after Nationalization and Recent Banking Reforms

Suggested Readings

- 1) Money , Banking , International Trade and Public Finance , M.L.Seth, Lakshmi Narain Agarwal
- 2) Mudra, Banking and Antrarashtriya Bayapar ,Dr. T.T. Sethi, Lakshmi Narain Agarwal
- 3) Aurthashastra , Dr.V.C.Sinha and Dr. Pushpa Sinha , SBPD Publications

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|---|--|-----|----|----|
| ECN-G-DSC-202B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Second Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
|---|--|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|---|-----|----|----|
| ECN-G-DSC-203B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Second Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
|---|---|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|---|----|----|----|
| ECN - G -AECC -202 - T Environmental Science (02 Credits, 30 Lectures) | Environmental science (see Annexure 1 for syllabus) | 50 | 40 | 10 |
|---|---|----|----|----|

Credits 02, Lectures 30

Marks: 10 (MSE)+ 40 (ESE) =50

Pass Marks: (MSE:04 + ESE: 16) = 40

SEMESTER III

| | | | | |
|--|--|-----|----|----|
| ECN-H-GE-303-T/ ECN - G -DSC -301 C - T (06 Credits, 60 Lectures & 15 Tutorials) | Economics of product and factor market | 100 | 80 | 20 |
|--|--|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :-***Mid Semester Examination (MSE):***

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE):

Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 marks each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered.

Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Theory of Costs and Revenue

1.1 Concepts of Costs(Total, Marginal and Average)and their inter-relationship; Short Run and Long Run Cost Curves

1.2 Concepts of Revenue(Total , Marginal and Average)and their inter-relationship; Break-Even Analysis.

1.3 Revenue curves under perfect and imperfect markets

Unit 2: Market Structure

2.1 Definition of Market; Forms of Market: Perfect and Imperfect Markets- Their Salient Features.

2.2 Equilibrium of the Firm and Industry under Perfect Competition.

2.3 Monopoly: Meaning; Price and Output Determination; Price Discrimination.

2.4 Monopolistic Competition: Price and Output Determination.

Unit 3: Factor Pricing

3.1 Marginal Productivity Theory of Distribution.

3.2 Theories of Wage determination: Demand and Supply Theory and Collective Bargaining.

3.3: Rent: Scarcity Rent; Differential Rent.

3.4: Interest: Classical and Keynesian Theories.

3.5: Profit: Innovation and Risk Theories.

Suggested Readings:

1. Micro Economics (Hindi/English)- M.L.Seth- Laxmi Narayan Publication
2. Micro Economics (Hindi/English)- T.T.Sethi-Laxmi narayan Publication
3. Principles of Economics- P.N Chopra- Kalyani Publication
- 4 Intermediate Microeconomics, Hal R. Varian, 8th edition, W.W. Norton and Company/Affiliated East-West Press
5. Micro economics- M.L.Jhingan- Vrinda publication

| | | | | |
|---|---|-----|----|----|
| ECN-G-DSC-302C-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Third Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
|---|---|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|--|-----|----|----|
| ECN- G -DSC -303C- T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Third Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
|---|--|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|---|----|----|----|
| ECN - G -SEC -301-T (02 Credits, 30 Lectures) (Annexure -2) | Constitution of India and Human Rights (see Annexure 2 for syllabus) | 50 | 40 | 10 |
|---|---|----|----|----|

Credits 02, Lectures 30

Marks: 10 (MSE)+ 40 (ESE) =50

Pass Marks: (MSE:04 + ESE: 16) = 20

SEMESTER IV

| | | | | |
|---|-------------------|-----|----|----|
| ECN-H-GE-404-T/ ECN - G -DSC -401 D - T (06 Credits, 60 Lectures & 15 Tutorials) | Indian Economy | 100 | 80 | 20 |
|---|-------------------|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :-***Mid Semester Examination (MSE):***

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE):

Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 marks each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered.

Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1- Introduction

1.1: Basic characteristics of Indian Economy

1.2: Five-Year-Plans and economic development

1.3: Major Problems of Indian Economy- Poverty, Inequality, Unemployment and Population Explosion- their meaning and extent

1.4: Basic Demographic traits of Indian Economy

Unit 2- Agriculture

1.1: Nature of Indian Agriculture; Importance of Agriculture in Indian Economy; Trends of Agriculture production in India

1.2: Land Reforms.

1.3: New Agricultural Strategy and Green Revolution.

1.4: Rural Credit.

Unit 3- Industry

2.1: Industrial Development during the Plan Periods

2.2: Industrial Policy of 1991.

2.3: Large Scale Industries: Sugar, Iron and Steel, and Cotton Textile Industries. Its present situation and its problems.

2.4: Small Scale Industries: Growth, Importance and Problems, Medium Small and Micro Enterprise (MSME)

Unit 4- External Sector

3.1: Role of Foreign Trade

3.2: Trends in Export and Import.

3.3: Composition and Direction of India's Foreign trade.

SUGGESTED READINGS

1. Bhagawati, J (2012): Reform and Economic Transformation in India.
2. Brahmananda, P.R. and Panchmukhi, V.R. (2001) : Development Experience in Indian Economy: Inter State Perspective, Bookwell , Delhi.
3. Goyal, Ashima (2015): A Concise Handbook of Indian Economy in the 21st century.
4. Dantwala, M.L. (1996): Dilemmas of Growth The Indian Experience, Oxford University Press, New Delhi.
5. Puri, V.K. and Mishra, S.K. (2018): Indian Economy, Himalaya Publishing House.(Hindi/English)
6. Dutt, R. and Mahajan, B.D. (2018): Indian Economy, S. Chand Publications, New Delhi. (Hindi/English)
7. Yojana(Hindi/English)- A Monthly Magazine.
8. Kurukshetra (Hindi/English)- A Monthly Journal of Rural Development.
9. Economic Survey, Govt. of India (Hindi/English)

| | | | | |
|---|---|-----|----|----|
| ECN-G-DSC-402D-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Forth Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
|---|---|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|--|---|-----|----|----|
| ECN - G -DSC -403D - T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Fourth Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
|--|---|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|--|-------------------------------|----|----|----|
| ECN - G -SEC -402 - T (02 Credits, 30 Lectures) (Annexure -1) | Environment and Public Health | 50 | 40 | 10 |
|--|-------------------------------|----|----|----|

Credits 03, Lectures 30

Marks: 10 (MSE)+ 40 (ESE) =50

Pass Marks: (MSE:04 + ESE: 16) = 2

SEMESTER V

| | | | | |
|--|-------------------------------------|-----|----|----|
| ECN-G-DSE-501A-T (06 Credits, 60 Lectures & 15 Tutorials) | Economics of growth and development | 100 | 80 | 20 |
|--|-------------------------------------|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :-***Mid Semester Examination (MSE):***

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE):

Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 marks each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered.

Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Introduction to Economic Growth and Development

1.1: Economic Growth : Concept and measure; Economic Development: Concept and indicators.

Difference between Economic Growth and Economic Development

1.2: Factors Affecting Economic Growth.

1.3: Development , Developing and Under-Development; Obstacles to Under-Development.

1.4: Concept of Poverty Line.

1.6: Capital Formation: Meaning, Importance and Problem of Capital formation in Less Developed Economies

Unit 2: Theories of Growth and Development

2.1: Classical Theories of Development: Adam Smith and David Ricardo.

2.2: Harrod-Domar Growth Model.

2.3: Lewis Model.

2.4: The Mahalanobis Model

Unit 3. Leading Issues in Underdeveloped Economies -Poverty, Inequality and Unemployment

3.1 Meaning of Poverty; Concept of Poverty line; Vicious circle of Poverty

3.2 Concept of Economic Inequality; Lorenz curve for measuring inequality

3.3 Unemployment and Disguised Unemployment; NSSO classification of Unemployment

Unit 4: Macro Economic Policy and Economic Development

4.1 Monetary Policy: Definition; Instruments; Monetary Policy in Developing Countries

4.2 Fiscal Policy: Definition; Instruments; Rile of Fiscal Policy in Developing Countries

4.3 External Resources in development: FDI, AID vs. Trade; Technology Inflow, Role of MNC

Suggested Reading list:-

- Ray, Debraj- “Development Economics”, Oxford University Press
- Meir, G.M.- “Leading Issues in Economic Development”
- Basu-“ Analytical Development Economics”
- Amartya Sen-“Development as freedom”, Oxford University Press,2000
- R.K.Lekhi, Joginder Singh- “The Economics of Development and Planning”, Kalyani publishers
- Kuznets,s.(1995)- “ Economic Growth & Economic Inequality”, American Review, vol. 45
- J P Mishra Samvridhi evan vikas ka Arthashastra (H) Sahitya Bhawan Publication
- .M.L. Jhingan: The Economics of Development and Planning, Vrinda Publication
- . R.K.Lekhi and Joginder Singh: The Economics of Development and Planning, Kalyani Publishers
- S P Singh, Arthik Vikas evam Niyojan, S Chand

| | | | | |
|---|---|-----|----|----|
| ECN-G-DSE-502A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Fifth Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
|---|---|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|--|-----|----|----|
| ECN-G-DSE-503A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Fifth Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
|---|--|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|--|--|----|----|----|
| ECN - G -SEC -503 - T (02 Credits, 30 Lectures) (Annexure -1) | Computer applications and information technology (See Annexure 2 for syllabus) | 50 | 40 | 10 |
|--|--|----|----|----|

Credits 02, Lectures 30

Marks: 10 (MSE)+ 40 (ESE) =50

Pass Marks: (MSE:04 + ESE: 16) = 20

SEMESTER VI

| | | | | |
|---|--|-----|----|----|
| ECN -G-DSE-601B-T (06 Credits, 60 Lectures & 15 Tutorials) | Public finance and International Trade | 100 | 80 | 20 |
|---|--|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :-***Mid Semester Examination (MSE):***

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE):

Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 marks each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered.

Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Nature and Scope of Public Finance

1.1: Meaning and Scope of Public Finance; Public Finance and Private Finance.

1.2: Principle of Maximum Social Advantage.

Unit 2: Tools of Public Finance

2.1: Sources of Public Revenue.

2.2: Taxation: Meaning , Classification and effects of Taxation

2.3: Impact and Incidence of Taxes.

2.4: Characteristics of a good Tax System.

2.5: Tax reforms; GST and VAT.

2.6: Meaning, Classification and Principles of Public Expenditure.

2.7: Effects of Public Expenditure.

2.8: Public Debt, Difference between Public and Private Debt.

Unit 3: International Trade

3.1: International Economics: Definition, Nature and Importance.

3.2: Inter-Regional and International Trade.

3.3: Gains from Trade: Their Measurement and Distribution.

3.4: Theory of Comparative Cost Advantage, Heckcher-Ohlin Theory.

3.5: Free Trade vs. Protection.

3.6: Balance of Payment & Balance of Trade.

Unit 4: International Financial Institutions

4.1: Objectives and Functions of IMF.

4.2: World Bank.

4.3:WTO with reference to India.

SUGGESTED READINGS

1. R.A. Masgrave- Theory of Public Finance
2. R.N. Tripathy- Public Finance in U.D. Countries
3. S.K. Singh- Lok Vitt(Hindi) Schand
4. S.K.Singh- Public Finance in Theory & Practice Schand
5. J.Bhagwati, International trade(Cambridge Univ. Press)
6. M.L. Verma, International trade(Vikas Pub. Press).
7. S.K. Singh, International monetary system
8. H.G. Mannur, International Economics
9. J.C. Singhai, Anter-rastriye vyapar(Hindi)
10. B P Tyagi- Public Finance- Jai Prakash Nath & Co.
11. H L Bhatia- Lok Vitt, Vikas Publishing House
12. Jhingan – Antarashtriya Arthshastra, Vikas publication

| | | | | |
|---|---|-----|----|----|
| ECN-G-DSE-602B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Sixth Semester Gen / Pass / DSC paper from second discipline selected | 100 | 80 | 20 |
|---|---|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|--|-----|----|----|
| ECN-G-DSE-603B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines | Sixth Semester Gen / Pass / DSC paper from third discipline selected | 100 | 80 | 20 |
|---|--|-----|----|----|

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

| | | | | |
|---|---|----|----|----|
| ECN-G-SEC-604-T (02 Credits, 30 Lectures) (Annexure-1) | Choice of one SEC paper from Annexure 2 (See annexure 2 for choice) | 50 | 40 | 10 |
|---|---|----|----|----|

Credits 02, Lectures 30

Marks: 10(MSE)+ 40 (ESE) = 50

Pass Marks: (MSE:04 + ESE: 16) = 40

Format of question Papers of End-Semester

Format for H- GE/ G- DSC and G- DSE papers:-

Copyright Reserved

Binod Bihari Mahto Koyalanchal University, Dhanbad

End-Semester Examination xxxx(Session: xxxx-xx)

Subject/Code:

Full Marks: 80 Pass Marks: 32

Time:3Hours

General Instructions:

Candidates are required to give their answers in their own words as far as practicable.

The Questions are of equal value.

Answer any five questions of the following in which Q.1 is compulsory.

Group A**1. (A) Multiple Choice Questions (1x8=08)**

- (i)
- (ii)
- (iii)
- (iv)
- (v)
- (vi)
- (vii)
- (viii)

(B) Short answer type questions (4x2=08)

- (a)
- (b)

Group B

(Long answer type questions)

Answer any four of the following. (16x4=64)

- 2.
- 3.
- 4.
- 5.
- 6.

7.

8.

9. Short notes type questions (8x2=16)

(a)

(b)

(c)

(d)

Format for AECC and SEC papers:-*Copyright Reserved***Binod Bihari Mahto Koyalanchal University, Dhanbad****End-Semester Examination xxxx(Session: xxxx-xx)****Subject/Code:**

Full Marks: 40 Pass Marks: 16

Time: 2Hours

General Instructions:

Candidates are required to give their answers in their own words as far as practicable.

The Questions are of equal value.

Answer any five questions of the following in which Q.1 is compulsory.**Group A****1. (A) Multiple Choice Questions (1x4=04)**

(i)

(ii)

(iii)

(iv)

(B) Short answer type questions (2x2=04)

(a)

(b)

Group B**(Long answer type questions)****Answer any four of the following. (8x4=32)**

2.

3.

4.

5.

6.

7.

8.

9. Short notes type questions (4x2=8)

(a)

(b)

(c)

(d)

Annexure 1**Binod Bihari Mahto Koyalanchal University, Dhanbad**
Ability Enhancement Compulsory Course (AECC)

Syllabus for Bachelor of Arts (ECONOMICS) in Ability Enhancement Compulsory Course (AECC) (Honours/Gen/Pass)

Under Choice Based Credit System

Academic Session: w.e.f. 2020-2023

for All Constituent/Affiliated Colleges Under

There shall be one AECC course in semester I and one in Semester II

COMMON for ALL AECC PAPERS of 50 MARKS

Credit 02, Theory-30 Lectures

Marks:10(MSE) +40 (ESE) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for:

Mid Semester Examination (MSE): 1/2 Hrs

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) : 2 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions.

Question No.1(A) will be MCQ of 1 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

COMMON for ALL AECC PAPERS of 25 MARKS

Credit 01), Theory-15 Lectures

Marks:05(MSE) +20 (ESE) =25

Pass Marks: (MSE:02 + ESE: 08) =10

Instruction to Question Setter for:

Mid Semester Examination (MSE): 1/4 Hrs

One semester internal Assessment (SIA) of 05 marks

End Semester Examination(ESE) : 1 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions. Question No.1(A) will be MCQ of 1/2 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about twenty five words of 1 marks (2 Questions).

Group B will contain descriptive type of eight questions of four marks each, out of which any four are to answer. Each question carry 04 marks. The question no. 9 will be of short notype, each carrying two marks (2x2=4) in which only two should be answered out of four option

SEMESTER I

Students have to take one language course of fifty marks from the 3 options given below:-

1)MIL ENGLISH (50 marks)

OR

2)MIL HINDI (50 marks)

OR

3)HINDI (25 marks) +

ALTERNATIVE ENGLISH (25 marks)/

BANGLA (25 marks)

SANSKRIT (25 marks)

URDU (25 marks)

1) MIL ENGLISH (50 marks)

OBJECTIVE: To equip students effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for English Communication.

Unit I: Communication – Definition, stages, barriers, types: verbal and non-verbal, Listening-Meaning, Nature and importance, Principles of Good Listening.

Unit II: Class-presentation (Oral for five minutes) on any of the above- mentioned topics: Descriptive writing, expansion of an idea.

Unit III: Writing skills –, notice writing, advertisement writing, précis writing, essay writing, letter writing (applications), Business letter formats (letters of enquiry, replies and complaints), resume writing, covering letter

Unit IV: Vocabulary building: One word substitution, synonyms and antonyms, idioms and phrases

Suggested Reading:

Technical Communication, M.H. Rizvi, Tata McGrawhill Effective Business Communication, Asha Kaul Developing Communication Skills, Krishna Moha

2) MIL HINDI (50 marks)

हिन्दी व्याकरण एवं संप्रेषण

सैद्धान्तिक: 30 व्याख्यान

इकाई-1

हिन्दी व्याकरण और रचना,

संज्ञा, सर्वनाम, विशेषण, क्रिया, अव्यय, कारक, वाचन, संधि, उपसर्ग, प्रत्यय तथा समास, लिंग निर्णय, पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द, शब्द शुद्धि, वाक्य शुद्धि, मुहावरे और लोकोक्तियाँ, पल्लवन एवं संक्षेपण।

इकाई -2

निबंध कला तथा समसामयिक एवं राष्ट्रीय विषयों पर निबंध लेखन

इकाई -3

संप्रेषण (संचार)

—संप्रेषण की अवधारणा और महत्त्व, संप्रेषण के लिए आवश्यक शर्तें, संप्रेषण के प्रकार, संप्रेषण का माध्यम, संप्रेषण कला, संप्रेषण की तकनीक, वाचन कला, समाचार वाचन, साक्षात्कार कला, रचनात्मक लेखन का लक्ष्य, रचनात्मक लेखन का आधार, भाव और विचारों की प्रस्तुति, वाक् कला की उपयोगिता।

4. रश्मिरेखी - राजवती सिंह दिग्गज

अनुशंसित पुस्तकें :-

| | |
|---|-----------------------------------|
| <input type="checkbox"/> गृह्य व्याकरण भास्कर | : डॉ० बचनदेव कुमार |
| <input type="checkbox"/> गृह्य निबंध भास्कर | : डॉ० बचनदेव कुमार |
| <input type="checkbox"/> आधुनिक हिन्दी व्याकरण और रचना | : डॉ० वासुदेव नन्दन प्रसाद |
| <input type="checkbox"/> रचना मानस | : प्रो० राजेश्वर नाथ तिवारी |
| <input type="checkbox"/> व्यवहारिक हिन्दी | : डॉ० जग बहादुर पाण्डेय |
| <input type="checkbox"/> रचनात्मक लेखन | : डॉ० रमेश शीतल |
| <input type="checkbox"/> राजहंस हिन्दी निबंध | : प्रो० आर० ए०० गौड़ |
| <input type="checkbox"/> सफल हिन्दी निबंध | : रत्नेश्वर |
| <input type="checkbox"/> निबंध सहाय | : डॉ० लक्ष्मण प्रसाद |
| <input type="checkbox"/> उपकार मुहावरे और लोकोक्तियाँ | : प्रो० राजेश्वर प्रसाद चतुर्वेदी |
| <input type="checkbox"/> कहानियों कहावतों की | : प्रताप अन्नम |
| <input type="checkbox"/> संप्रेषणपरक हिन्दी भाषा विज्ञान | : डॉ० वैश्या नारंग |
| <input type="checkbox"/> शैली विज्ञान | : डॉ० सुरेश कुमार |
| <input type="checkbox"/> शैली विज्ञान प्रतिमान और विरलेषण | : डॉ० पांडेय शशिशूषन शीताशु |
| <input type="checkbox"/> शैली विज्ञान का इतिहास | : डॉ० पांडेय शशिशूषन शीताशु |

3) HINDI (25 marks)

हिन्दी व्याकरण एवं संप्रेषण - सैद्धान्तिक: 15 व्याख्यान

इकाई-1 हिन्दी व्याकरण और रचना,
संज्ञा, सर्वनाम, विशेषण, क्रिया, अव्यय, कारक, वचन, संधि, उपसर्ग, प्रत्यय तथा समास,
लिंग निर्णय, पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द,
शब्द शुद्धि, वाक्य शुद्धि, मुहावरे और लोकोक्तियाँ, पल्लवन एवं संक्षेपण।

इकाई -2 संप्रेषण (संचार)
—संप्रेषण की अवधारणा और महत्व, संप्रेषण के लिए आवश्यक शर्तें, संप्रेषण के प्रकार,
संप्रेषण का माध्यम, संप्रेषण कला, संप्रेषण की तकनीक, वाचन कला, समाचार वाचन,
साक्षात्कार कला, रचनात्मक लेखन का लक्ष्य, रचनात्मक लेखन का आधार, भाव और
विचारों की प्रस्तुति, वाक कला की उपयोगिता।

अनुरक्षित पुस्तक :-

| | |
|--|-----------------------------------|
| <input type="checkbox"/> बृहत् व्याकरण भास्कर | : डॉ० यशवंत कुमार |
| <input type="checkbox"/> बृहत् निबंध भास्कर | : डॉ० यशवंत कुमार |
| <input type="checkbox"/> आधुनिक हिन्दी व्याकरण और रचना | : डॉ० वासुदेव नन्दन प्रसाद |
| <input type="checkbox"/> रचना मानस | : प्रो० राजेश्वर नाथ त्रिपाठी |
| <input type="checkbox"/> व्यवहारिक हिन्दी | : डॉ० जग बहादुर पाण्डेय |
| <input type="checkbox"/> रचनात्मक लेखन | : डॉ० रमेश गोताम |
| <input type="checkbox"/> राजहंस हिन्दी निबंध | : प्रो० आर० एम्० गौड़ |
| <input type="checkbox"/> सफल हिन्दी निबंध | : रत्नेश्वर |
| <input type="checkbox"/> निबंध सहचर | : डॉ० लक्ष्मण प्रसाद |
| <input type="checkbox"/> उपकार मुहावरे और लोकोक्तियाँ | : प्रो० राजेश्वर प्रसाद चतुर्वेदी |
| <input type="checkbox"/> कहानियाँ कहावतों की | : प्रताप अन्नम |
| <input type="checkbox"/> संप्रेषणपरक हिन्दी भाषा विज्ञान | : डॉ० वैष्णव नारायण |
| <input type="checkbox"/> शैली विज्ञान | : डॉ० सुरेश कुमार |
| <input type="checkbox"/> शैली विज्ञान प्रतिमान और विश्लेषण | : डॉ० पांडेय हरिभूषण शीतलम् |
| <input type="checkbox"/> शैली विज्ञान का इतिहास | : डॉ० पांडेय हरिभूषण शीतलम् |

ALTERNATIVE ENGLISH(MB) (25 marks)**Unit I: Novel**

1. The English Teacher (R.K. Narayan)

Unit II: Poetry

1. Stopping by words on a Snowy Evening (Robert Frost)

2. A slumber did My Sprit Seal (William Woodworth)

3. My Native Land (H.L.V. Derozio)

4. The Night of Scorpion (Nissim Ezekiel)

5. Break, Break, Break (A.L. Tennyson)

6. Starlit Night (G.M. Hopkins)

Unit III: Grammer

1. Common Errors

2. Fill up the blanks with prepositions.

3. One word substitution.

Suggested Reading:

A String of Poems (Edited by: S.M.P.N. Singh Sashi and A.B.Sharan) The Winged Word (Edited by: David Green)

BANGLA (25 marks)

AECC - प्रथम सेमेस्टर

१। कर्ण-कृष्ण-संवाद - रवीन्द्रनाथ ठाकुर ।
 २। विद्वत्तुषण मुखोपाध्याय्येरे छोट गद्य-
 (कुईन आन, ननीचोरा, वरयात्री, पीतु) ।
 ३। बांला बयकरणा:-
 क) बागधारा ख) सामोछारित डिमार्थक शब्द ग) सक्ति विच्छेद घ) पद परिवर्तन ।

SANSKRIT (25 marks)

संस्कृत भाषा शिक्षण (अनुवाद एवं रचना) **सैद्धान्तिक: 15 व्याख्यान**

खण्ड (क) 1. शब्दरूप 2. धातुरूप

खण्ड (ख) 1. हिन्दी से संस्कृत में अनुवाद 2. संस्कृत से हिन्दी में अनुवाद 3. अनुच्छेद लेखन

अनुशसित पुस्तकें :-

- आधुनिक संस्कृत व्याकरण और रचना - श्यामनन्दन शास्त्री - भरती भवन प्रकाशन, पटना
- आधुनिक संस्कृत अनुवाद - उमाकान्त शास्त्री - भरती भवन प्रकाशन, पटना
- बृहद - अनुवाद चन्द्रिका - चक्रधर नोटियाल 'इंस' शास्त्री - मोतीलाल बनारसीदास

URDU (25 marks)

उर्दू (संघार) **सैद्धान्तिक: 15 व्याख्यान ✓**

اردو امریکہ کی روشنی

UNIT-I

- ◇ ادبیات
- ◇ تذکرہ ادیب
- ◇ جزوات و رسائل
- ◇ شہادت ناموں سے

UNIT-II

- ◇ انگریزی
- ◇ درخواست نویسی
- ◇ طغران نگاری
- ◇ تہذیب نگاری
- ◇ ادب سے ہماری تہذیب کی تعلق

معاون کتب:

| | |
|----------------------|----------------------|
| 1. اردو ادب کی تاریخ | 1. اردو ادب کی تاریخ |
| 2. اردو ادب کی تاریخ | 2. اردو ادب کی تاریخ |
| 3. اردو ادب کی تاریخ | 3. اردو ادب کی تاریخ |

SEMESTER II

For AECC of Semester II- All students have to compulsorily take ENVIRONMENTAL SCIENCE of 50 marks

ENVIRONMENTAL SCIENCE (50 marks)**Unit 1 : Introduction to environmental studies**

Multidisciplinary nature of environmental studies;

Scope and importance; Concept of sustainability and sustainable development.

Unit 2 : Ecosystems

(2 lectures)

What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems :

Forest ecosystem

Grassland ecosystem

Desert ecosystem

Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit 3 : Natural Resources : Renewable and Non--renewable Resources

(2 lectures)

Land resources and land use change;

Land degradation, soil erosion and desertification.

Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.

Water : Use and over--exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter--state).

Energy resources : Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

(5 lectures)

Unit 4 : Biodiversity and Conservation

Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India;

Biodiversity patterns and global biodiversity hot spots

India as a mega--biodiversity nation; Endangered and endemic species of India

Threats to biodiversity : Habitat loss, poaching of wildlife, man--wildlife conflicts, biological invasions;

Conservation of biodiversity : In--situ and Ex--situ conservation of biodiversity

Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

(5 lectures)

Unit 5 : Environmental Pollution

Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution
Nuclear hazards and human health risks

Solid waste management : Control measures of urban and industrial waste.

Pollution case studies.

Unit 6 : Environmental Policies & Practices

(5 lectures)

Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture

Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).

Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.

(4 lectures)

Unit 7 : Human Communities and the Environment

Human population growth: Impacts on environment, human health and welfare. Resettlement and rehabilitation of project affected persons; case studies.

Disaster management : floods, earthquake, cyclones and landslides.

Environmental movements : Chipko, Silent valley, Bishnois of Rajasthan. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.

Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).

Unit 8 : Field work

Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc. Visit to a local polluted site--Urban/Rural/Industrial/Agricultural.

Study of common plants, insects, birds and basic principles of identification. Study of simple ecosystems--pond, river, Delhi Ridge, etc.

(3 lectures)

(Equal to 4 lectures)

Suggested Readings:

Raziuddin, M., Mishra P.K. 2014, A Handbook of Environmental Studies, Akanaksha Publications, Ranchi. Mukherjee, B. 2011: Fundamentals of Environmental Biology. Silverline Publications, Allahabad.

Carson, R. 2002. Silent Spring. Houghton Mifflin Harcourt.

- Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of (2 Lectures) India*. Univ. of California Press.
- Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
- Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
- Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
- Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339: 36---37.
- McCully, P. 1996. *Rivers no more: the environmental effects of dams*(pp. 29---64). Zed Books.
- McNeill, John R. 2000. *Something New Under the Sun: An Environmental History of the Twentieth Century*. Odum, E.P., Odum, H.T. & Andrews, J. 1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
- Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. *Environmental and Pollution Science*. Academic Press.
- Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co. Pvt. Ltd.
- Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*. 8th edition. John Wiley & Sons.
- Rosencranz, A., Divan, S., & Noble, M. L. 2001. *Environmental law and policy in India*. Tripathi 1992.
- Sengupta, R. 2003. *Ecology and economics: An approach to sustainable development*. OUP.
- Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
- Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology: Voices from the Tropics*. John Wiley & Sons.
- Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent*.
- Warren, C. E. 1971. *Biology and Water Pollution Control*. WB Saunders.
- Wilson, E. O. 2006. *The Creation: An appeal to save life on earth*. New York: Norton.
- World Commission on Environment and Development. 1987. *Our Common Future*. Oxford University.

ANNEXURE 2

Binod Bihari Mahto Koyalanchal University, Dhanbad 2020

SEC papers for General/ Pass Course Degree Students:-

1. Semester 3:

Constitution of India and Human Rights

2. Semester 4:

Environment and Public Health

3. Semester 5:

Computer Applications and Information Technology

4. Semester 6: One from the following may be chosen. It may be common for a faculty or all faculties. The courses allows the students to choose one of the following :

1. Entrepreneurship

2. Life Skills and Personality Development

3. Human Resource Development

4. Legal Aid and Awareness

5. Indian History, Culture and Diversity 6. Science and Life

7. Banking and Finance

8. Building Mathematical Ability

9. Capital and Stock Market

COMMON FOR Each SEC PAPER

(Credit: Theory-02), Theory-30 Lectures. Marks:10(MSE) + 40 (ESE) =50.

Pass Marks: (MSE:04 + ESE: 16) =20

Instruction to Question Setter for:

Mid Semester Examination (MSE): 1/2 Hrs.

One semester internal Assessment (SIA) of 10 marks

End Semester Examination(ESE) :2 Hrs

There will be two groups of questions. Five questions to be answered out of Nine Questions.

Question No.1(A) will be MCQ of 1 mark each (four questions). Question No.1 (B) will be short answer type to be answered in about fifty words of 2 marks (2 Questions).

Group B will contain descriptive type of eight questions of eight marks each, out of which any four are to answer. Each question carry 08 marks. The question no. 9 will be of short notes type, each carrying four marks (4x2=8) in which only two should be answered out of four options.

Syllabus of above mentioned SEC papers:**1. CONSTITUTION OF INDIA AND HUMAN RIGHTS****Unit 1: Characteristics of Indian Constitution**

- i. Parliamentary form of Government.
- ii. Federal State
- iii. Rule Of Law.
- iv. Secular State
- v. Socialistic State
- Vi. Republic

Unit 2-Fundamental Rights and Duties

- i. Natural Rights and Fundamental Rights.
- ii. Fundamental Rights and 42nd amendment.
- iii. Right to equality, freedom, Constitutional remedies, Freedom of Religion,
- iv. Fundamental Duties.

Unit 3: Emergency provision in Indian Constitution

- i. National Emergency.
- ii. President rule.
- iii. Financial Emergency.

Unit 4 : Evolution, Concept and Meaning of Human Rights

- i. Evolution of Human Rights
 - a. Contribution of Rules.
 - b. contribution of Religious Texts and Preachers.
 - c. contribution of Thinkers.
 - d. Contributions of Constitutional Measures. e. contributions of international organisations.
- ii. Contribution of International Organisations.

Unit 5 : Classification and types of Human Rights

- i. Political, Social, Economic and Cultural Rights
- ii. 1st Generation, 2nd Generation, 3rd Generation of Human Rights. iii. Positive and Negative Human Rights.
- iv. Individual Human rights and Collective Human Rights.
- v. Types

Unit 6: Universal Declaration of Human Rights 1948

- i. Importance
- ii. Preamble
- iii. Article 1-30

Essential Reading :

1. Bakshi, P.M. (2012) The constitution of India, New Delhi : Universal Law
2. Fadia B. L. (2013). Indian Government and Politics. Agra: Sahitya Bhawan
3. Ghai, K.K. (2012) Indian Government and Politics, New Delhi: PHI Learning.

2. ENVIRONMENT AND PUBLIC HEALTH

Unit I - Linkages between Environment and Health

Understanding linkages between Environment and Public Health: Effect of quality of air, water and soil on health.

Perspective on Individual health: Nutritional, socio-cultural and developmental aspects, Dietary diversity for good health;

Human developmental indices for public health. 06-classes

Unit 2- Climate change and implications on public health

Global warming - Agricultural practices (chemical agriculture) and Industrial technologies (use of non-biodegradable materials like plastics, aerosols, refrigerants, pesticides); Manifestations of Climate change on Public Health Burning of Fossil fuels, automobile emissions and Acid rain.

08 -classes

Unit III - Perspectives and Interventions in Public Health Epidemiological perspectives

Disease burden and surveillance;

Alternative systems of medicine - Ayurveda, Yoga, Unani, Siddha and Homeopathy (AYUSH);

Universal Immunization Programme (UIP); Reproductive health-Youth Unite for Victory on AIDS (YUVA) programme of Government of India.

Occupational health hazards-physical-chemical and biological.

Occupational diseases- prevention and control. 08 -classes

Unit IV - Environmental Management Policies and Practices

Municipal solid waste management: Definition, sources, characterization collection and transportation and disposal methods.

Solid waste management system in urban and rural areas.

Municipal Solid waste rules.

Policies and practices with respect to Environmental Protection Act, Forest Conservation Act, Wild life protection Act, Water and Air Act, Industrial, Biomedical and E waste disposal rules.

08classes

3.COMPUTER APPLICATIONS AND INFORMATION TECHNOLOGY

Unit-01 (9L)

Fundamentals of computer (with Computer architecture); Multimedia: Introduction, Definitions, Where use Multimedia-Multimedia in Business, School, Home, Public Places, Virtual; Delivering Multimedia.

Text: Meaning, Fonts and Faces, Using Text in Multimedia, Computer, and Text, Font Editing, and Design Tools, Hypermedia and Hypertext;

Sound: The power of Sound, Digital Audio, MIDI Audio, MIDI vs Digital Audio, Multimedia System Sounds, Audio File Formats.

Unit-02 (5L)

Cloud computing The Internet and Multimedia: Internet History, Internetworking, Multimedia on the Web.

Computer Network: Components of the Network, Communication medium, LAN, WAN, HTTP protocol, Server, Client

Unit-03 (9L)

Introduction to Information Security: Introduction, History of Information security, what is security, Critical characteristics of information, components of information system, approaches to information security implementation; Cloud computing, Artificial Intelligence

Unit-04 (7L)

Security for Business, threats, attacks, secure software;

Hacking: Introduction, Legal, Ethical and Professional Hacking, International Laws and Legal bodies

Reference Books –

- 1.Nishit Mathur, Fundamentals of Computer , Aph publishing corporation(2010)
- 2.Misty E. Vermaat,.Microsoft word 2013 1st Edition (2013).
- 3.Satish Jain, M.Geeta, MS- Office 2010 Training Guide, BPB publication (2010)
- 4.Joan Preppernau, Microsoft PowerPoint 2016 step by step, Microsoft press(2015) Douglas E Corner,
- 5.The Internet Book 4th Edition, prentice –Hall(2009)
- 6.Faithe wempen, word 2016 in depth 1st edition, que publishing(2015)
- 7.Steven welkler, Office 2016 for beginners, Create Space Independent

4.CAPITAL AND STOCK MARKET

Unit-I

Introduction of capital market, difference between capital and stock market. SEBI guideline for capital and stock market. 10 classes

Unit-II

Calculation of Net Present Value (NPV) for single payment, calculation of NPV for PVIFA, FV and Future Value Interest Factor Annuity (Mathematical Calculations).10- classes

Unit-III

Valuation of Equity by Balance Sheet, Dividend Discount Model (DDM), Price Equity Method (PEM), Capital Asset Pricing Method (CAPM), Valuation of Preference Share and Bond.10-classes

References:

1. Financial Management, I.M. Pandey, Vikash Publication.
2. Financial Management, Prasanna Chandra, Tata Mc Graw hill.

5. BANKING AND FINANCE**Unit. I**

Banking and financial institutions in India: Commercial banks, Co-operative Banks, Regional Rural banks, Agriculture and Rural Development Banks (SLDBs), Development Banks and NBFCs; their constitution, Functions, working and evolution.10-classes

Unit.II

Financial markets: Structure, institution and operating mechanism and its role in Economic Development. Developed and Underdeveloped Markets, Money Market in India: Importance, features instruments.10-classes

Unit.III

Capital Markets in India: New issue market and stock exchange, importance of stock exchanges: National stock exchange, methods of floating new issues, types of shares and debentures, The securities and Exchange Board of India (SEBI), need for establishment of SEBI. Objectives and role of SEBI.10-classes

References:

1. PracticeofLawofbankingbyH.RSoneji
2. Banking Law and Practice by P.N. Varshney.
- 3.PracticeofbankingAdvancesbyBediandHardikar.
- 4.LawandPracticeofBankingbyP.N.VarshneyandGopal Swaroop.
5. Banking Theory, LawandPracticebyGordon&Natarajan.

6.ENTREPRENEURSHIP**Unit-I**

Meaning, concept, characteristics and types of entrepreneurs.

Development of entrepreneurship, Culture, Stages in Entrepreneurship processes. 06 -classes.

Unit-II

Micro, small and medium Enterprise Industries in India.

08-classes

Unit-III

Public and private system of stimulation, support and sustainability of Entrepreneurship, Requirement, Availability and access to Finance, Marketing Assistance, Technology and Industrial Accommodation. 08-classes

Unit-IV
Identification of Business idea, project formulation and Business plan, Project report, Appraisal.
08-classes

Book Recommended:

1. 1.Desai. V. Dynamic of Entrepreneurial Development and Management.
2. 2.Batra Dangwal, Entrepreneurship and scale Industries.
3. 3.Malhotra I. S and Gupta S.L. Management of small-scale Industries. New Delhi, Galgotia
4. Drucker, Peter Innovation and Entrepreneurship. East West Press (P) Ltd., 1992.
5. Gupta, C.B and Srinivasan, Entrepreneurial Development in India

7. HUMAN RESOURCE DEVELOPMENT

Objective: This is a follow up course of Personnel Management into a broader area and perspective. The purpose of this course is to provide an in-depth knowledge of the concepts, principles, methods of HRM.

Unit-I

Definition of HRD, Nature and scope of HRD, HRM and FIND - Comparison and contrast; Concepts., objectives, processes, issues and emerging trends. (10 classes)

Unit II

Career Planning and Development: Introduction, Meaning and objectives, Individual Career Planning, Career Management Meaning and Element, Benefits of career Planning and Development, Limitations and Steps in Effective Career Planning and Development. (10 classes)

Unit III

Learning Processes, principles, Management development methods and Benefits of Management developments Programs; HRD experiences at Indian Corporate Level. (10 classes)

References:

1. Srivastava, M.P Human Resource Planning (1997). Inst. Of Applied Manpower Research, New Delhi.

2. Maheshwari, B.L.& Sinha, D.P. Management of Change through HRD (1991). Tata McGraw Hill, New Delhi
3. Pareek, Udai and Nair, M.R. Managing Transitions; The HRD Response (1992) Tata McGraw Hill, New Delhi.
4. Silvere, D.N. HRD; The Indian Experience, (1991), New Delhi.
5. Brinkerhoff, Robert O. Achieving Results from Training; How to evaluate HRD to strengthen Programmers and Increase Impact (1987), Jossey Bas, San Francisco.

8. BUILDING MATHEMATICAL ABILITY

Unit-I

Introduction to Natural numbers, integers, rational, real, Complex and prime numbers. There sums and products. Euclid division algorithm. Encryption and prime numbers. (08-classes)

UNIT — II

Linear equations

Linear equations and inequations in two variables x and y.

Introduction to matrices. Solution of simultaneous linear equations by matrix. Linear equations represented by straight lines. Finding region bounded by a set of linear inequations. (08 classes)

UNIT — III

Statistics

Data and its collection in Statistics. Tally sign and frequency table.

Presentation of data by charts and curves — dot plots, bar graphs, line graphs, frequency curves.

Mean, median, mode of a data.

Population and sample. (07 classes)

UNIT — IV

Probability

Experiment, outcomes, events, types of events, sample space.

Probability of occurrence of an event.

Addition and multiplication formulae.

Simple problems on probability. (07- classes)

Reading List

1. Building Mathematical Ability By S.Chand-S.Chand Publishing.
2. Parks, H.M. (2007) A Mathematical View of our world (1 ed.). Thomsons Brooks Cole.

9. LIFE SKILL AND PERSONALITY DEVELOPMENT

Objective: -The objective of this paper is to acquaint the students with life skill and Personality Development. This paper act as a guideline for the students who are ready to plunge into highly competitive world.

Unit I

Self-awareness and creating self-image: -

Concept of Life Skill, SWOT analysis, intrapersonal Emotional quotient, Self-confidence, Self-esteem, Self—development, Self-respect, Personal hygiene, grooming and dress code.

Unit II

Effective communication Skill: -

Concept of communication, nature of communication, importance of communication, process of communication, building rapport, how to ask questions intelligently, facing the interview, how to write impressive resume, etiquette and manners

Unit III

Know Your Personality: -

Concept of Personality Development, Stages of Personality Development, Determinants of Personality developments, Ethics and Values, attitudes and behavior, Perceptions, Self-motivation, Legacy, Interpersonal relationship.

References: -

I. Bhatia, R.C, Personality Development, one books Pvt. Ltd., New Delhi. 2. Madhukar. R. K, Business Communication, Vikash Publication House, Pvt.Ltd, New Delhi.

Bruckmaan. G.C& Hartley Peter, Business Communication, Ane Books Pvt.Ltd, New Delhi

10. SCIENCE AND LIFE**Unit-I****Basic components of science and its brief idea.**

- i. Life science:-cell and its structure. Brief idea of respiration, digestion and growth.
- ii. Chemical science: Organic and inorganic molecules. Macro and micronutrients with special reference to carbohydrate, fat and protein.
- iii. Physical science: basic idea of diffusion, osmosis and turgor pressures. Light as source of energy, Gravitation and gravitational forces.

Unit-2**Science and Human Health.**

- I. Different type of vitamins, their sources and diseases caused by their deficiency
- ii. Diseases caused by microbes. Their preservation.
- iii. Common medicinal plants-crops, vrgetables,fruits,spices.

Unit-III**Science and Food security.**

- I. Green revolution and second green revolution. ii.Common food plants-crops,vegetables,fruits spices. iii. Agricultural sciences of Jharkhand.

Unit-IV**Science Environment and Man.**

- i. Basic idea of climate changes and its impact.
- ii. Environmental problem, its impact and management. iii. Environmental awareness.

11.INDIAN HISTORY, CULTURE and DIVERSITY**Unit-I****History and Culture through the Ages:**

- i. Ancient India.
- ii. Medieval India.
- lii. Modern India.
- iv. Indian languages and literature.

Unit- II**Religion and Philosophy**

- i. Religion and Philosophy in Ancient India
- ii. Religion and Philosophy in medieval India
- iii. Religion and social reform movement in modern India. iv. Folklore and oral traditions.

Unit-III**Painting, performing Arts and Architecture:**

- i. Indian painting
- ii. Indian music, dance and drama
- iii. Indian architecture and Sculpture
- iv. Tribal arts and crafts in Jharkhand in Jharkhand

Unit-IV**Ethnic and cultural Diversity:**

- i. Tribal movements in Jharkhand and their leaders.
- ii. Fairs, festivals and socio-cultural traditions with special reference to Jharkhand.
- iii. Indian sports and games.
- iv. Socio-cultural issues in contemporary India.

Suggested readings:-

1. Basham,A.L., The wonder that was India,Picador,pan macmillan,London,2004
2. Bose,N.K., Culture and Society in India, Asia Publishing House,1967. 3.Chandra, satish, Medieval India, Vol, I and II, Har-Anand, New Delhi,2015. 4. Chandra,Bipan,History of Modern India, orient Blackswan,New Delhi,2016 5.Dube,S.C., Tribal heritage of india,Vikas,New Delhi,2007.

12.SOFT SKILLS

Course Description

The course intends to transfer soft skills and numeric ability skills to the students which will help them in accessing job opportunities particularly in the banking sector

Unit 1. Resume writing and Interview skills

Resume Writing: What is Resume? Types of Resume? Chronological, Functional and Mixed Resume, Steps in preparation of Resume. Interview Skills: Common interview Questions, Attitude, Body Language, The mock interviews, Phone interviews, Behavioral Interviews. 10 classes

Unit 2. Group discussion (GD) and team building

Group Discussion: Group Discussion Basics, GD Topics for Practice, Points for GD Topics, Case- Based and Article based Group Discussions, Points for Case Studies, and Notes on Current Issues for GD. 10 classes

Unit 3. Numerical Ability

Average, Percentage, Profit and Loss, Simple Interest, Compound Interest, Time and Work, Pipes and Cisterns, -Time and Distance, Problems on Trains, Boats and Streams Calendar, Ratios and Proportions.

Basis Readings:

1. Agarwal.R. S (2010) Quantitative Aptitude, S. Chand and Sons 2. Prasad. L.M (2000)

Organizational

Behavior S. Chand Khera. Shiv. You Can

Win MC Millan Books, Revised Edison