

Four Year Under Graduate Programme (FYUGP)

As per provisions of NEP-2020

Vinoba Bhave University, Hazaribag



Subject: Geography

To be implemented from the Academic Year 2022-23

(From session 2022-26)

Syllabus for Semester –II

MAJOR PAPER SYLLABUS

Semester –II

Paper -1, Physical Geography, (Total Credit -4)

75 Marks,

Total Lecture- 60

Marks: 15 (5 Attendance & others + 10 SIE: 1Hr) + 60 (ESE: 3Hrs) = 75

Pass Marks: Th (MSE + ESE) = 30

Instruction to Question Setter for

Semester Internal Examination (SIE 10+5=15 marks):

The Semester Internal Examination shall have two components. (a) One Semester Internal Assessment Written Test (SIA) of 10 Mark (b) Class Attendance Score (CAS) including the behaviour of the student towards teachers and other students of the College of 5 marks.

End Semester Examination (ESE 60 marks):

There will be **two** groups of questions. **Group A is compulsory** which will contain three questions. **Question No.1 will be very short answer type** consisting of five questions of 1 mark each. **Question No.2 & 3 will be short answer type** of 5 marks each. **Group B will contain descriptive type** five questions of fifteen marks each, out of which any three are to answer.

Note: There may be subdivisions in each question of group B.

Course Objective:

1. Understand the components of the earth system – atmosphere, lithosphere and hydrosphere;
2. Appreciate and understand various features of the spheres with local, regional and global examples;
3. Associate and bring out the relationships of the features of one sphere with other spheres

Learning outcome:

After completion of this course the student will be able to understand the various components of earth system in different spheres and their inter-relationship, various earth features in local, regional and global level.

Module-I:

Origin of the Earth with particular reference to Big Bang Theory; Interior Structure of the Earth; Plate Tectonics; Earthquake and vulcanicity, Geological time scale.

Module-II:

Geomorphic Process: Weathering, Erosion, Deposition and Denudation; Landforms: Fluvial, Aeolian, Glacial, Karst and Marine;

Module-III: Composition and structure of the atmosphere, insolation, heat budget, General Circulation of wind, Atmospheric pressure and temperature, Air mass, Fronts, Cyclone and Anti-cyclone, Climates of the World (Koeppen Classification)

Module-IV: Concept of ecosystem and Ecology, Energy flow in ecosystem, Biomes-grassland, forest, desert; Biodiversity, Soil – Formation and Distribution

Relief feature of Ocean, Ocean Current and tides, Oceanic Salinity, Coral Reef and Ocean deposits

References

- 1- लाल, डी एस: जलवायु विज्ञान, शारदा पुस्तक भवन, इलाहाबाद
- 2- गौतम, अलका: जलवायु विज्ञान एवं समुद्र विज्ञान, रस्तोगी प्रकाशन , मेरठ
- 3- सिंह,एस : जलवायु विज्ञान, प्रवालिका प्रकाशन, इलाहाबाद
- 4- सिंह , सविन्द्र: समुद्र विज्ञान, प्रवालिका प्रकाशन, इलाहाबाद
- 5- सिंह , सविन्द्र: भूआकृतिविज्ञानं, वसुंधरा प्रकाशन, गोरखपुर
- 6- शर्मा, जेपी: भूआकृतिविज्ञान, रस्तोगी प्रकाशन, मेरठ
- 7- दयाल, प: भूआकृतिविज्ञान, राजेश प्रकाशन, नई दिल्ली
- 8- Singh, Savidra: Geomorphology, Pravalika publication, Allahabad
- 9- Singh, s: Physical Geography, Pravalika publication, Allahabad
- 10- Strahler, A: Introducing Physical Geography, Wiley India

Paper 2, Physical Geography, (Practical)

(Total credit- 2)

25 Marks

Total Lecture - 30

Marks : Pr (ESE: 3Hrs) =25

Pass Marks: Pr (ESE) = 10

Instruction to Question Setter for

End Semester Examination (ESE):

There will be one Practical Examination of 3Hrs duration. Evaluation of Practical Examination may be as per the following guidelines:

Course Objectives:

1. To learn the construction of profile, geological cross-section and geological symbols
2. To learn the interpretation of weather map, Hythergraph and Climograph.

Learning Outcome-

Students will able to learn the importance of profile, geological cross-section, weather map, Climograph and Hythergraph.

1. Construction of profile (serial, superimposed, projected and composite), Construction of Geological cross-section on Geological Map and interpretation, Geological Symbols 10
2. Interpretation of weather map, Rainfall and temperature graph, Hythergraph, Climograph, Weather symbols. 10
3. PNB + Viva-voce 05

Suggested books:

1. शर्मा, जे पी : प्रायोगिक भूगोल, रस्तोगी प्रकाशन , मेरठ
2. सिंह, एल आर: प्रायोगिक भूगोल के मूल सिद्धांत, शारदा पुस्तक भवन, इलाहाबाद
3. Singh, L R: Fundamentals of Practical Geography, Sharda Pustak Bhawan, Allahabad
4. Singh and Singh: Elements of Practical Geography, Kalyani Publishers, New Delhi