

Four Year Under Graduate Programme (FYUGP)
As per the provisions of NEP- 2020
Binod Bihari Mahto Koylanchal University



Subject: Geography

To be Implemented from the Academic Session 2022-2026
Syllabus for Semester- I, II, III

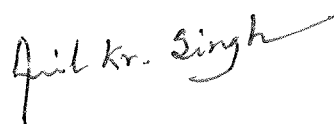
**Members of Board of Studies of Four Year Under-Graduate Programme
(FYUGP)**

**Syllabus as per Guidelines of the Binod Bihari Mahto Koyalanchal
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Note: Syllabus for the remaining semesters will be published later.

COURSE STRUCTURE FOR FOUR YEAR UNDERGRADUATE PROGRAMME (FYUGP)

**Table 1: Credit Framework for Four Year Undergraduate Programme
(FYUGP) under State Universities of Jharkhand [Total Credits = 176]**

	Common Courses (29)									Introductory Courses (15)		Internship/ Project (4)	Major* (54) + Adv. Major (24)	Minor** (32)		Research Courses (18)				Total Credit																
Semester	Language and Communication Skills (MIL including TRL) (6)		Language and Communication Skills (English) (6)		Environmental Studies (3)		Understanding India (2)		Health & Wellness, Yoga Education, Sports & Fitness (2)		Digital Education (3)			Mathematical & Computational Thinking and Analysis (2)		Value-Based Course/ Global Citizenship Education (2)		Community Engagement/ NCC/ NSS/ (3)		Introductory Courses [Natural Sc./ Humanities/ Social Sc./Commerce] (9)		Introductory Course [Vocational Studies] (6)		Natural Sc./ Humanities/ Social Sc./ Commerce (18)	Vocational Studies (14)		Research Methodology Courses (6)		Research Proposal, Review of literature (4)		Research Internship/ Field Work (4)		Preparation of the Research Project Report (4)		176	
I	2	3	4	5	6	7	8			9	10			11	14	15	16	17	18	19	20	21														
II	6			2	2					3	3				6								22													
III		6					2	2		3	3		6								22															
Exit Point: Undergraduate Certificate																																				
III				3			3			3	3		4	6							22															
IV													6+6								22															
Exit Point: Undergraduate Diploma																																				
V													6+6	6	4						22															
VI													6+6	6	4						22															
Exit Point: Bachelor's Degree																																				
VII													6+6 (Adv. Topics)			6	4				22															
VIII													6+6 (Adv. Topics)		2			4	4		22															
Exit Point: Bachelor's Degree with Hons. /Research																																				

*There will be four disciplinary areas: A-Natural Science, B-Humanities, C-Social Science, and D-Commerce; each having basket of courses. A student will have to select a 'Major' from any of the four disciplinary areas (out of A, B, C & D). The selection for admission will be primarily based on availability of seats in Major and marks imposed by the institution. **A student has to select three subjects for 'Introductory Regular Courses' from a pool of subjects associated with the Major offered by the institution. One of the three subjects will continue as 'Minor' from semester IV onwards, based on the academic interest and performance of the student.

SYLLABUS FOR THE INTRODUCTORY COURSE OF GEOGRAPHY**(Total Credits- 03, Lectures- 45)**

Marks: 25 (5 Attd. + 20 SIE: 1.5 Hrs) + 75 (ESE: 3 Hr.) = 100

Pass Marks: Th (MSE + ESE) = 40

Learning Outcomes:

On the successful completion of this course, the students will be able to understand Geography as a:

- 1) Study of man-environment relationship.
- 2) Study of physical aspects of the earth surface.
- 3) The human and economic aspects of geography.

Instruction to Question Setter

Semester Internal Examination (SIE 20+5=25 marks):

The Semester Internal Examination shall have two components. (a) One Semester Internal Assessment Written Test (SLA) of 20 Marks, (b) Class Attendance Score (CAS) including the behaviour of the students towards teachers and other students of 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** seven questions of fifteen marks each, out of which any four are to be answered.

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

Course Content:

- **Module-I:** Meaning, Nature, and Scope of Geography; Relationship of Geography with other Sciences; Man- Environment Relationship; Importance and types of maps, scale and diagrams; Remote Sensing, GIS, GPS, Careers in Geography.
- **Module-II:** Origin of the Earth- Big Bang Theory, Earth's Materials- Rocks; Landforms- Continent, Ocean, Mountain, Plateau, Plain, Lake; Composition and Structure of Atmosphere; Cyclone's Impact and Mitigation- Tropical and Temperate; Monsoon Winds; Ocean Currents- Indian Ocean and Atlantic Ocean.
- **Module-III:** Earth and its Life; Evolution of Man; Population distribution of the World and India; Migration; Resource- Types, Utilisation and Conservation; Agriculture Types- Intensive Subsistence Agriculture, Commercial Farming, Plantation Agriculture; Industries- Iron and Steel, Cotton Textile, Food Processing; Problems of Rural and Urban settlements; Tourist Places of India and Jharkhand.

Books Recommended:

- Getis, Arthar, Mark D. Blelland, Victoria Getis, *Introduction to Geography*, McGraw hills.
- Hussain, Majid, *Human Geography*, Rawat Publication, Jawahar Nagar, Jaipur.
- Kaushik, S. D., *Geographical Thought and Methodology*, Rastogi Publication, Meerut.
- Lal, D. S., *Climatology*, Sarda Pustak Bhawan, Allahabad.
- Singh, Savinder, *Physical Geography*, Pravalika Publications, Allahabad.

SEMESTER- I

MAJOR COURSE- MJ 1: History of Geographical Thought

(Theory- 04 Credits, 60 Lectures)

Marks: 15 (5 Attd. + 10 SIE: 1 Hr) + 60 (ESE: 3 Hr.) = 75

Pass Marks: Th (MSE + ESE) = 30

Learning Outcomes:

After the completion of this course, the students will be able to understand:

- 1) The conceptual framework of geography.
- 2) Evolution of geographical thoughts and the contribution of geography.
- 3) Understand the modern trends in geography.

Instruction to Question Setter

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

The Semester Internal Examination shall have two components. (a) One Semester Internal Assessment Test (SIA) of 10 Marks, (b) Class Attendance Score (CAS) including the behaviour of the students towards teachers and other students of 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 Content:

- **Module-I:** Nature, scope and purpose of Geography; Place of Geography in the classification of Sciences; Fundamental concepts of Geography; Concept of Earth's Surface; Concept of Location/ Situation; Concept of Landscape.
- **Module-II:** Geography in Ancient (Greek, Rome, and India) and Medieval Period; Development of Geography in Modern Period (German School, French School, British School, and American School); Contribution of Humboldt, Ritter, Ratzel, Blache, and Hartshorne to Geography.
- **Module-III:** Geographical Knowledge and people- Career in Geography; Methods and Techniques in Geography- Quantitative, Behavioural, Radical, Humanistic, and Environmental; Remote Sensing, GIS, GPS, and Computer Cartography.
- **Module-IV:** Dualism in Geography: Physical versus Human, Regional versus Systematic; Man- Environment Relationship Determinism, Possibilism, and Neo-Determinism.

Books Recommended:

- Arentsen, M., Stam R. and Thuijjs R., *Post-Modern Approaches to Space*, ebook.
- Bhat, L.S., *Geography in India (Selected Themes)*, Pearson.
- Bonnett, A., *What is Geography?* Sage.
- Dikshit, R. D., *Geographical Thought: A Contextual History of Ideas*, Prentice– Hall India.
- Hartshorne R., *Perspectives of Nature of Geography*, Rand MacNally and Co.
- Holt-Jensen A., *Geography: History and Its Concepts: A Students Guide*, SAGE.
- Johnston R. J., (Ed.), *Dictionary of Human Geography*, Routledge.
- Johnston R. J., *Geography and Geographers*, Anglo-American Human Geography since 1945, Arnold, London.
- Kapur A., *Indian Geography Voice of Concern*, Concept Publications.
- Martin Geoffrey J., *All Possible Worlds: A History of Geographical Ideas*, Oxford.
- Soja, Edward, *Post-modern Geographies*, Verso, London.
- Husain, Majid, *Evolution of Geographical Thought*, Rawat Publication, Delhi.
- Rawat, D. S. & Kaushik, S. D., *Geographical Thoughts and Methodology*, Rastogi Publication, Meerut.
- Maurya, S. D., *Bhaugolik Chintan Ka Itihas*, Pravalika Publications, Allahabad.
- Kaushik, S. D., *Bhaugolik Vichardharaen evam Vidhi Tantra*, Rastogi Publications, Meerut.

GEOGRAPHY PRACTICAL- MJ 1P**(Practical- 02 Credits, 60 Lectures)**

Marks: Pr (ESE: 3 Hrs) = 25

Pass Marks: Pr (ESE) = 10

Learning Outcomes:

After the completion of the course, students will have the ability to:

- 1) Read and prepare maps.
- 2) Importance of scale in the preparation of a map.
- 3) Use and importance of maps for regional development and decision making.

Instruction to Question Setter**End Semester Examination (ESE):**

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

Experiment = 20 marks

Practical record notebook & Viva-Voce = 05 marks

Course Content:

- | | |
|--|----|
| 1. Types of Maps; Meaning of Representative Fraction (R.F.); Construction of scale (Simple, Comparative and Diagonal). | 10 |
| 2. Indexing of Topographical Sheet and interpretation of topographical sheet; Conventional Signs. | 10 |
| 3. PNB + Viva-Voce | 05 |

Books Recommended:

- Singh, L. R., *Fundamentals of Practical Geography*, Sharda Pushtak Bhawan, Allahabad.
- Sharma, J. P., *Prayogik Bhugol*, Rastogi Prakashan, Meerut.
- Singh, L. R., *Prayogik Bhugol Ke Mool Siddhant*, Sharda Pustak Bhawan, Allahabad.
- Singh and Singh, *Elements of Practical Geography*, Kalyani Publishers, New Delhi.
- Chauhan, R. P., *Ramsurat, Prayogatmak Bhugol Ki Rooprekha*, Vasundhara Prakashan, Gorakhpur.
- Sinha evam Bala, *Uchh Cartography*, Sharda Pustak Bhawan, Allahabad.
- Sarkar, Ashish, *A Practical Geography*, Orient Blackswan Private Limited, New Delhi.
- Saha, P., *Advanced Practical Geography*, Orient Blackswan Private Limited, New Delhi.

SEMESTER- II

MAJOR COURSE- MJ 2: Physical Geography

(Theory- 04 Credits, 60 Lectures)

Marks: 15 (5 Attd. + 10 SIE: 1 Hr) + 60 (ESE: 3 Hr.) = 75

Pass Marks: Th (MSE + ESE) = 30

Learning Outcomes:

After the completion of this course, the students will be able to understand:

- 1) The components of the earth.
- 2) Various features of the spheres with local, regional, and global examples.
- 3) Comprehend how the spheres are closely connected with each other.

Instruction to Question Setter

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

The Semester Internal Examination shall have two components. (a) One Semester Internal Assessment Test (SIA) of 10 Marks, (b) Class Attendance Score (CAS) including the behaviour of the students towards teachers and other students of 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 Content:

- **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: Denudation, Weathering, Erosion, and Deposition; 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 (Köppen Classification).
- **Module-IV:** Concepts of Ecosystem and Ecology, Energy Flow in Ecosystem; Biomes: Grassland, Forests, Deserts; Biodiversity; Soil: Formation and Distribution. Relief features of Ocean; Ocean Current and Tides; Oceanic Salinity; Coral Reef and Ocean Deposits.

Books Recommended:

- Dayal, P., *Bhuaakriti Vigyan*, Rajesh Prakashan, New Delhi.
- Gautam, Alka, *Jalvayu Vigyan evam Samudra Vigyan*, Rastogi Prakashan, Meerut.
- Lal, D. S., *Jalvayu Vigyan*, Sharda Pustak Bhawan, Allahabad.
- Sharma, J. P., *Bhuaakriti Vigyan*, Rastogi Prakashan, Meerut.
- Singh, S., *Jalvayu Vigyan*, Pravalika Publication, Allahabad.
- Singh, S., *Physical Geography*, Pravalika Publication, Allahabd.
- Singh, Savinder, *Bhuaakriti Vigyan*, Vasundhara Prakashan,
- Singh, Savinder, *Geomorphology*, Pravalika Publication, Allahabd.
- Singh, Savinder, *Samudra Vigyan*, Pravalika Publication, Allahabd.
- Strahaler, A., *Introducing Physical Geography*, Wiley, India.

GEOGRAPHY PRACTICAL- MJ 2P**(Practical- 02 Credits, 60 Lectures)**

Marks: Pr (ESE: 3 Hrs) = 25

Pass Marks: Pr (ESE) = 10

Learning Outcomes:

After the completion of the course, students will have the ability to:

- 1) Read and prepare maps.
- 2) Understand the elements of weather and climate, and its impacts at different scales.
- 3) Use and importance of maps for regional development and decision making.

Instruction to Question Setter**End Semester Examination (ESE):**

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

Experiment = 20 marks

Practical record notebook & Viva-Voce = 05 marks

Course Content:

1. Construction of Profile (Serial, Superimposed, Projected, and Composite); Construction of Geological Cross- Section on Geological Map and its interpretation; Geological Symbols. 10
2. Interpretation of Weather Map; Rainfall and Temperature Graph; Hythergraph; Climograph; Weather Symbols. 10
3. PNB + Viva-Voce 05

Books Recommended:

- Singh, L. R., *Fundamentals of Practical Geography*, Sharda Pushtak Bhawan, Allahabad.
- Sharma, J. P., *Prayogik Bhugol*, Rastogi Prakashan, Meerut.
- Singh, L. R., *Prayogik Bhugol Ke Mool Siddhant*, Sharda Pustak Bhawan, Allahabad.
- Singh and Singh, *Elements of Practical Geography*, Kalyani Publishers, New Delhi.
- Chauhan, R. P., *Ramsurat, Prayogatmak Bhugol Ki Rooprekha*, Vasundhara Prakashan, Gorakhpur.
- Sinha evam Bala, *Uchh Cartography*, Sharda Pustak Bhawan, Allahabad.
- Sarkar, Ashish, *A Practical Geography*, Orient Blackswan Private Limited, New Delhi.
- Saha, P., *Advanced Practical Geography*, Orient Blackswan Private Limited, New Delhi.