



UNIVERSITY DEPARTMENT OF GEOGRAPHY

LALIT NARAYAN MITHILA UNIVERSITY
KAMESHWARANAGAR, DARBHANGA – 846 004

Dr. Anuranjan
Head
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Ref. No.....

Dated :.....

Syllabus (CBCS)
Geography – Semester – I
Paper – MDC – I
Title of Paper:- Geography of India
Credit – 3

FM– 100
ESE– 70
CIA – 30

Course Outcome:-

1. The unit, converses about the Physical features of India and acquaints the students with the basic knowledge of India's Physical Aspects.
2. The chapter elaborates the rivers of India, Its sources, its importance to agriculture and its cultural significance.
3. India is a monsoon country and has diverse climatic regions. This chapter clarifies the various aspects of Indian Climate and the Indian Monsoon.
4. The unit elucidates the political setting of India in the context of its neighbors, its significance as a subcontinent and the geographical factors which unites the countries despite its diversity.

Unit No.	Topics	No. of Classes
1	Physical Features of India	6
	Physiographic Divisions of India, Natural Vegetation, Soils of India.	
2	Drainage	7
	North Indian & South Indian Rivers and its Tributories, Multipurpose projects on major rivers.	
3	Climate	10
	Climatic Division of India, Pressure Belts, Permanent Winds, Monsoon.	
4	Political Division of India	7
	Indian's Location, Indian Standard Time, States and Union Territories, India's Neighboring Countries, India's sub-continent, India's Unity in Diversity.	
Total		30

Suggested Books:-

1. India : A comprehensive Geography –f D. R. Khullar
2. Geography of India – Mamoria & Mishra
3. Advanced Geography of India – C.B. Memoria
4. Geography of India – Majid Husain
5. A Geography of India – Gopal Singh
6. Advance Geography of India – Dr. Alka Gautam
7. Bharat ka Bhugol – Surajdev Gautam
8. Geography of India – R.C. Tiwari
9. Indian Geography – Ravi S Singh

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Dated :.....

Syllabus (CBCS)
Geography – Semester – II
Paper – MDC – II
Title of Paper:- Fundamental of Geo-spatial Technology
Credit – 3

FM– 100
ESE– 70
CIA – 30

Course Outcome:

1. To understand the principles and applications of GIS, remote sensing, and GPS for spatial data analysis.
2. To develop skills to analyze satellite data and solve real-world problems using geospatial tools.
3. To develop awareness about recent developments in space missions and technology.

Unit No.	Topics	No. of Classes
1	Meaning and scope of Geospatial Technology, History of Remote Sensing.	6
2	Electromagnetic Radiation, Sensors and platforms, Geostationary and polar orbiting Satellites.	7
3	Space missions: Land sat, IRS, CARTOSAT, Chandrayaan	10
4	Components and functions of GIS, Data Sources and types (Spatial and Attribute)	7
Total		30

References

1. Lilles and, Thomas, Ralph W. Kiefer, and Jonathan W. Chipman. Remote Sensing and Image Interpretation. Wiley, 7th Edition, 2015. ISBN: 9781118343289.
2. Joseph, George. Fundamentals of Remote Sensing. Hyderabad: Universities Press, 3rd Edition, 2018. ISBN: 9788173715358.
3. Jensen, John R. Remote Sensing of the Environment: An Earth Resource Perspective. New York: Pearson, 2nd Edition, 2007. ISBN: 9780131889507.
4. Chauiniyal, DD. सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली के सिद्धान्त (PRINCIPLES OF REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM) Sharda Pustak Bhawan, Prayagraj.
5. Mishra, P.C. भौगोलिक सूचना प्रणाली: सिद्धान्त और अनुप्रयोग (Geographic Information System: Principles and Applications). Rajkamal Prakashan, 2018. ISBN: 9788189644973.
6. Tripathi, Vinay Kumar. भू-स्थानिक प्रौद्योगिकी के मूल तत्व (Fundamentals of Geospatial Technology). Kitab Mahal, 2020. ISBN: 9788122507861.

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Dated :

Syllabus (CBCS)
Geography – Semester – III
Paper – MDC – III
Title of Paper: - Environmental Geography
Credit – 3

FM– 100
ESE– 70
CIA – 30

Learning Objectives

- After completion of the course students will be able –
- To understand the Environmental Geography
 - To Know the spatial variation & dimensions of Environment.
 - To Understand the significance of Environmental issues.

Unit No.	Topics	No. of Classes
1	Meaning and scope of environmental geography. Concept of ecology and ecosystem	6
2	Food chain, level of biodiversity, Terrestrial and Aquatic eco-system global	7
3	Environmental Issues : Climate change, Acid rain, Ozone depletion, Air and water pollution	10
4	Environmental programme: Earth Summit, Kyoto Protocol, Montreal protocol, Jal Jeevan Haryali	7
Total		30

Suggested Readings:-

1. Savinder Singh 2015. Environmental Geography, Pravalika Publication Allahabad
2. S.K. Agarwal 2014. Environmental Geography, Aph publishing Corporation, Delhi
3. Seema H.M. 1999. Environmental Geography, Rawat Publication Jaipur, New Delhi
4. जोशी, रतन 2015 पर्यावरण भूगोल, साहित्य भवन पब्लिकेशन, आगरा
5. सिंह सविन्द्र 2017 पर्यावरण भूगोल, प्रमलिका पब्लिकेशन, इलाहाबाद
6. Rangarajan Mahesh, Environmental Issue, Pearson Publication, New Delhi.

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