

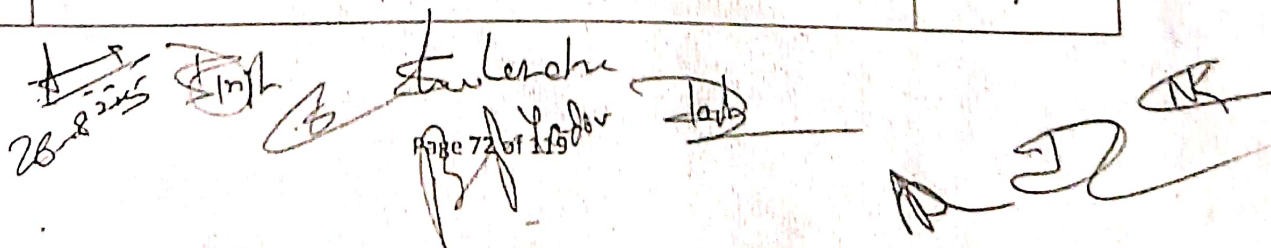
Undergraduate Geography Minor Syllabi

BA/BSc 1-Year (Semester I & II) and 2-Year (Semester III & IV)

Note: it is mandatory to clear/pass the examination of minor course once only, selecting the paper from the prescribed syllabi, in accordance with the guidelines of the University pertaining to choice/option of the Semester.

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Programme/Class BA/BSc	Year: I	Semester: I
Subject	Geography	
Course Code	A110101T	
Course Title:	Physical Geography	
Type/ Course	Theory (Minor)	
Credit	6	
Course Assessment	Total Marks: 100 University Exam: 75 Internal Assessment: 25 (mid-term: 15; assignment: 05; attendance: 05) Passing Marks: 40	
Course outcomes: Students will be able to understand • The Earth geomorphic transition from beginning to present day • Plate tectonics and related movements Landforms carved by various agents of erosion • Earth's climate and the factors that influence it • Oceans system and biogeography of the world		
Unit	Syllabus	No of Lectures (In Hours)
I	Origin of universe and earth. Interior of the earth.	8
II	Origin of continents. Volcanism and earth quakes.	8
III	Classification of rocks. Folding, Faulting, weathering.	8
IV	Fluvial, Arid, and Glacial Landforms	7
V	Atmosphere- Its composition and structure, Insolation, Temperature, Atmospheric pressure and winds.	8
VI	Air masses and Fronts.	7
VII	Humidity, Precipitation & Rainfall Types.	7
VIII	Mechanism of Indian Monsoon.	7



Suggested Readings

- 1- Singh, Savindra (2018): Physical Geography (English/ Hindi, Paryag Pustak Bhavan , Allahabad.
- 2- Strahler, A.N. and Strahler A.H.: Geography and Man's Environment, John Wiley & Sons,
- 3- Hagget, R.J. (2007): Fundamentals of Geomorphology, New York, U.S.A.
- 4- Clapham, W.B. (1973): Natural Ecosystem, MacMillan, London.
- 5- Khullar, D.R. (2012): Physical Geography, New Delhi, Kalyani Publishers
- 6- Singh, S. (1998): Environmental Geography (English & Hindi), Prayag Pustak bhavan, Alld.,
- 7- Thornbury, W. D. (1960): Principles of Geomorphology, Jhon Wiley New York.
- 8- Chanalanc R.C. (1998): Environmental Awareness, Kalyani Publishers.
- 9- Gaur, S and Chandrasekhar. T (2006): Global Environmental cruses, Book enclave, Jaipur.
- 10- Park, C.C. (1980) : Ecology and Environmental management Butterworths London
- 11- Chris Barrow (2005): Environmental Management and Development, Rout ledge.
- 12- Bansal, SC (2019): Paryavarn ek adhyan, Meenakshi Publication, Merrut.
- 13 Singh, S, (2019): Apada Prabandhan, Parvalika Prakashan, Allahabad.
- 15 Skinner, B. J. and Porter, S.C. (1995): The Dynamic Earth, John Wiley, New York.
- 16- Hussain M. (2015): Physical Geography, Kalyani Publishers, New Delhi.

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Programme/Class BA/BSc	Year: II	Semester: III
Subject	Geography	
Course Code	A110301T	
Course Title:	Environment, Disaster Management and Climate Change	
Types/ Course	Theory (Minor)	
Credit	6	
Course Assessment	Total Marks: 100 University Exam: 75 Internal Assessment: 25 (mid-term: 15; assignment: 05; attendance: 05)	

Course outcomes: Students will be able to understand

- The course aim is to give basic understanding of concept of environment , climate change and Disaster Management
- Understanding of the concept of appraisal and conservation of Environment and Natural Resources
- It will help in developing understanding about various impacts of climate change.
- This course shall introduce the basic concepts related to disaster management
- The paper shall help in understanding global effort in field of disaster management

Unit	Syllabus	No of Lecture
I	Meaning, concepts and components of environment	7
II	Biodiversity regions of the world. The concept of sustainable development.	8
III	Air, and water pollution- causes and impacts.	8
IV	Ganga Action Plan. Project Tiger in India. Ramsar Project.	7
V	Greenhouse gases. Greenhouse effect. Global warming.	7
VI	Climate Change and Environmental refugees.	8
VII	Disaster; and hazards. Disaster management.	7
VIII	Floods and nuclear disaster.	8

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Suggested Readings

1. Ali, A. (2014): 'Environmental Refugee: A Serious Issue For The Geographic Landscape', in Landscape and Development Interfaces in Geographical Research, (ed) Bandyopadhyay and Satpati, Academic Publishers, Kolkata.
2. Strahler, A.N. and Strahler A.H.: Geography and Man's Environment, John Wiley & Sons,
3. Detwyler, T.R. (1976): Man's Impact of the Environment, McGraw Hill. N.Y. New York.
4. Clapham, W.B. (1973): Natural Ecosystem, MacMillan, London.
5. Dassman, R.F. (1976): Environmental Conservation, John Wiley, N.Y.
6. Singh, S. (1998): Environmental Geography (English & Hindi), Prayag Pustak bhavan, Alld.
7. Tivy (1982): Biogeography, Longman, London.
8. Chanalane R.C. (1998): Environmental Awareness, Kalyani Publishers.
9. Gaur, S and Chandrasekhar, T (2006) Global Environmental cruses, Book enclave, Jaipur.
10. Park, C.C. (1980): Ecology and Environmental management Butterworths, London
11. Chris Barrow (2005): Environmental Management and Development Rout ledge.
12. Castree Noel Demerith, D, liverman, D (2009): A Companion into Environmental Geography, Wiley-Blackwell.
13. Bansal, SC (2019) Paryavarn ek adhyan, Meenakshi Publication, Meerut.
14. Singh, S. (2019): Apada Prabandhan, Parvalika Prakashan, Allahabad.
15. Climate Change: Understanding Climate Change: Green Houses Gases and Global Waming Warming, Global Climatic Assesment-IPCC.
16. Modh, S (2010): Managing Natural Disaster, Hydrological, Marine and Geological Disasters, Delhi, India Macmillan.

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