



ADIKAVI NANNAYA UNIVERSITY:: RAJAHMAHENDRAVARAM
B.A/B.Sc Geography Syllabus (w.e.f: 2020-21 A.Y)

Skill Enhancement Courses (SECs) for Semester -V,

From 2022-23(Syllabus-Curriculum)

Structure of SECs for Semester-V

(To choose One pair from the Four alternate pairs of SECs)

Course 6&7	Name of the Course	Th. Hrs. / Week	IE Marks	EE Marks	Credits	Prac. Hrs./ Wk	Marks	Credits
6B	Environmental Geography	4	25	75	4	2	50	1
7B	Disaster Management	4	25	75	4	2	50	1

Note: *Course type code: T: Theory, L: Lab, P: Problem solving

***Note:** FIRST and SECOND PHASES (2 spells) of APPRENTICESHIP between 1st and 2nd year and between 2nd and 3rd year (two summer vacations)

***Note:** THIRD PHASE of APPRENTICESHIP Entire 5th / 6th Semester

Note-1: For Semester-V, for the domain subject Botany, any one of the four pairs of SECs shall be chosen as courses 6 and 7, i.e., 6A & 7A or 6B & 7B or 6C & 7C or 6D & 7D. The pair shall not be broken (ABCD allotment is random, not on any priority basis).

Note-1: For Semester-V, for the domain subject Botany, any one of the four pairs of SECs shall be chosen as courses 6 and 7, i.e., 6A & 7A or 6B & 7B or 6C & 7C or 6D & 7D. The pair shall not be broken (ABCD allotment is random, not on any priority basis).

Note-2: One of the main objectives of Skill Enhancement Courses (SEC) is to inculcate field skills related to the domain subject in students. The syllabus of SEC will be partially skill oriented. Hence, teachers shall also impart practical training to students on the field skills embedded in the syllabus citing related real field situations.



III B.A, B.SC Syllabus under CBCS (2022-2023)

STRUCTURE SYLLABUS

Semester	Paper	Theory	Practical
semester I	I	Physical Geography	Study of weather and Climate
semester II	II	Human Geography	Elements of Mapping
semester III	III	Economic Geography	Surveying and Socio- Economic Village Survey
semester IV	IV	Geography of India	Cartographic Techniques
	V	Introduction to Remote sensing and GIS	Remote Sensing and GIS
semester V	VI	Environmental Geography-6B	Representation and Statistical Data
	VII	Disaster Management-7B	Field Survey –Educational Tour



B.A/B. Sc	Semester – V (Skill Enhancement Course- Elective)	Credits:4
Course: 6B	Environmental Geography	Hrs/Wk:4

Unit I

Concept and Scope of Environmental Geography. Environmental contrast - Biotic Abiotic, Global, Continental, Local. Environmental control of light, Temperature, Water, topography and edaphic factors.

Unit II

Ecosystem – Concept, Structure and Functions, Tropic level, Food Chain, Biogeo-chemical Cycle (Nitrogen and Carbon), Energy flow in Ecosystem.

Unit III

Environmental Problems in Tropical, Temperate and Polar Ecosystems. Environmental pollution (water and air). Concept of holistic environment and systems approach. Ecosystems and their relation with habitats

Unit IV

Human-Environment Relationships – Historical Progression, Adaptation in different Biomes. Wetland ecosystem with special reference to East Kolkata Wetlands. Rural environmental issues: Special reference to sanitation and public health. Urban environmental issues with special reference to waste management.

Unit V

Environmental Programmes and Policies – Major Global & National programme and policies, concept of spaceship earth, earth summit 1992, wildlife act of India 1972, water pollution control act of India 1974, National Environmental tribunal – 1995 of India.

Suggested References

1. Basu, R. and Bhaduri, S. (Eds) 2007. Contemporary Issues and Techniques in Geography, Progressive Publishers.
 2. Chandna, R.C. 2002. Environmental Geography, Kalyani Press.
 3. Chapman, J.L., Reiz, M.J. 1993. Ecology: Principle and Applications, Cambridge University Press. Cunningham, W.P., Cunningham, M.A. 2004. Principals of Environmental Science: Inquiry and Applications, Tata Macgraw Hill.
 4. Goudie, A. 2001. 2013. The Human Impact on the Natural Environment: Past, Present, and Future, 7th ed, Wiley-Blackwell.
 5. Gilpin, A., 1994. Environmental Impact Assessment: Cutting Edge for the 21st Century, Cambridge University Press.
- Miller, G.T. 2004. Environmental Science: Working with the Earth, Thomson Brooks



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BA/BSC GEOGRAPHY (W.E.F 2022)

MODEL QUESTION PAPER

BSC/BA Degree Examination

SEMESTER: Vth - 6 B

Paper : ENVIRONMENTAL GEOGRAPHY

Time: 3Hrs

Marks:75

Section-A

Answer any **five** of the following questions

5x5=25

1. Environmental contrast – Biotic Aboitic
2. Topography and edaphic factors
3. Biogeo-chemical cycle
4. Environmental pollution (water and air)
5. Rural Environmental issues
6. Wet land Ecosystem
7. Wild life Act of India 1972
8. Water pollution control Act of India 1974

Section-B

Answer any **five** of the following questions

5x10=50M

9. Write about the concept and scope of Environmental Geography?
10. Discuss the Environmental contrast Biotic Abiotic
11. Explain the concept and structure of the Ecosystem
12. Discuss the concept of holistic environment and systems approach?
13. Explain the Human-Environment Relationships adaption in different Biomes
14. Write about the rural Environmental issues, special reference to sanitation and public health
15. Write about the Urban environmental issues with special reference to waste management
16. Explain any two of the environmental program and policies
17. write about the any two National program and policies
18. Discuss the Human-Environmental relationships in detail



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III B.A/B.SC Syllabus under CBCS (2022-2023)

Geography Practical **6B**- Representation and Statistical Data

Maximum marks 50

Time 3 hrs

1. WHEEL DIAGRAM
2. BLOCK DIAGRAM
3. STAR DIAGRAMS
4. PYRAMID
5. SQUARES AND RECTANGLES

1.F.J. Monkhouse and H.R Wilkinson (1972) Maps and Diagrams,Monthuen and co ltd.

2.L.R.Singh and Raghuuvander Singh (1973) Map work and Geography, Central Book Depot, Allahabad.

3.R.L.Singh and P.K. Dutt (1964) Elements of Practical Geography, Students Friends, Allahabad.

4. Singh Gopal(2004)4thedition map work and practicalGeography,



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Geography Practical **6B**- Representation and Statistical Data

Maximum marks 50

Time 3 hrs

MODEL PAPER

- | | |
|--|------|
| 1. Draw the wheel diagram year 2011 men and women population | 15 M |
| 2. Draw the star diagram in india n agricultural crops | 15 M |
| 3. Record | 15 M |
| 4. Viva | 5 M |



B.A/B. Sc	Semester – V (Skill Enhancement Course- Elective)	Credits:4
Course: 7B	Disaster Management	Hrs/Wk:4

Unit I

Introduction on Disaster Different Types of Disaster: A) Natural Disaster: such as Flood, Cyclone, Earthquakes, Landslides etc B) Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures (Building and Bridge), War & Terrorism etc. Causes, effects and practical examples for all disasters.

Unit II

Risk and Vulnerability Analysis 1. Risk: Its concept and analysis 2. Risk Reduction 3. Vulnerability: Its concept and analysis 4. Strategic Development for Vulnerability Reduction.

Unit III

Disaster Preparedness and Response Preparedness - Disaster Preparedness: Concept and Nature. Disaster Preparedness Plan - Prediction, Early Warnings and Safety Measures of Disaster. Role of Information, Education, Communication, and Training. Role of Government, International and NGO Bodies. Role of IT in Disaster Preparedness - Role of Engineers on Disaster Management.

Unit IV

Response 1. Disaster Response: Introduction. Disaster Response Plan - Communication, Participation, and Activation of Emergency Preparedness Plan - Search, Rescue, Evacuation and Logistic Management. Role of Government, International and NGO Bodies. Psychological Response and Management (Trauma, Stress, Rumor and Panic). Relief and Recovery, Medical Health Response to Different Disasters.

Unit V

Rehabilitation, Reconstruction and Recovery - Reconstruction and Rehabilitation as a Means of Development. Damage Assessment, Post Disaster effects and Remedial Measures. Creation of Long-term Job Opportunities and Livelihood Options, Disaster Resistant House Construction, Sanitation and Hygiene, Education and Awareness, Dealing with Victims' Psychology, Long-term Counter Disaster Planning - Role of Educational Institute.

Suggested References

1. Dr. Mrinalini Pandey Disaster Management Wiley India Pvt. Ltd.
2. Tushar Bhattacharya Disaster Science and Management McGraw Hill Education (India) Pvt. Ltd.
3. Jagbir Singh Disaster Management : Future Challenges and Opportunities K W Publishers Pvt. Ltd.
4. J. P. Singhal Disaster Management Laxmi Publications.
5. Shailesh Shukla, Shamna Hussain Biodiversity, Environment and Disaster Management Unique Publications
6. C. K. Rajan, Navale Pandharinath Earth and Atmospheric Disaster Management: Nature and Manmade B S Publication



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BA/BSC GEOGRAPHY (W.E.F 2022)

MODEL QUESTION PAPER

BSC/BA Degree Examination

SEMESTER: Vth - 1 B

Paper : Disaster Management

Time: 3Hrs

Marks:75

Section-A

Answer any five of the following questions

5x5=25

- 1.Different types of Disasters
- 2.Causes of Earth quakes
- 3.Risk and Vulnerability
- 4.Role of Government on disaster management
- 5.Medical health response on different disasters
- 6.Rehabilitation & Reconstruction
- 7.Disaster response plan-communication
- 8.Long planning-role of Educational Institute

Section-B

Answer any five of the following questions

5x10=50M

- 9.Define, Disaster management? And Explain the different types Disaster management.
- 10.Write about the Natural Disasters on the Earth?
- 11.Explain the strategic development for vulnerability reduction?
- 12.Discuss the concept and Nature on Disaster preparedness
- 13.Explain the activation of Emergency preparedness plan
- 14.write an essay on emergency stage in disaster management?
- 15.what is meant by post disaster stage, explain clearly?
- 16.Explain in detail role of preparedness in disaster management
- 17.write about the Man-made Disasters in detail
18. Give an account on the Rehabilitation



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Geography Practical **7B** FIELD SURVEY-EDUCATION TOUR

Maximum marks 50

time 3 hrs

I. Survey

1. Conducting field trip
2. Physical and cultural landscapes
3. Human life and occupation
4. Cropping pattern
5. Irrigation and water harvesting methods

ii. Report writing

Suggested reading

1. Ananta narayan raman and jaya shree nimmagadda a hand book of research process.
2. Bajpal s.r. ,methods of social survey and research.
3. Gautam,n.c developmentof kresearch tools.



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Geography Practical **7B** FIELD SURVEY-EDUCATION TOUR

Maximum marks 50

Time 3 hrs

MODEL PAPER

- | | |
|--|-----|
| 1. Identification of physical features of tour place | 15M |
| 2. Importance of visiting place | 15M |
| 3. Observation of Human kinds | 10M |
| 4. Record | 10M |