Jharkhand, NEP, FYUGP 2022 onwards

COURSES OF STUDY FOR A FOUR-YEAR UNDERGRADUATE PROGRAMME 2022 ONWARDS FOR GEOGRAPHY

Undergraduate Major in Geography

Credit Framework for Four-Year Undergraduate Programme (FYUGP) under Kolhan University, Chaibasa

Semester-wise Course Code and Credit Points:			
	Standard, Introductory, Major, Minor, Vocational & Internship Courses		
Semester	Code	Papers	Credits
I	AEC-1	Language and Communication Skills (Mil-1; Modern Indian Language Hindi/English)	2
	VAC-1	Value Added Course-1	2
	IKS-1	Indian Knowledge System-I/Social Awareness Activities	2
	SEC-1	Skill Enhancement Course-1	3
	MDC-1	Multi-disciplinary Course-1	3
	AC-1	Disaster Management	4
	MJ-1	Geomorphology	4

Abbreviations:	
AEC	Ability Enhancement Courses
VAC	Value-added course
IKS	Indian Knowledge System-I/Social Awareness Activities
SEC	Skill Enhancement Courses
MDC	Multidisciplinary Courses from discipline
AC	Associated core
MJ	Major Disciplinary/Interdisciplinary

16.07.25

Head
Deptt. of Geography
K.U, Chaibasa

Semester-I
UG-Major Geography

MJ-01 Geomorphology (Theory)

Teaching Hours-60 **Full Mark-100** **Passing Mark-45**

Learning objective:

1. Define geomorphology and explain its nature and scope.
2. Describe the origin of the Earth and key principles of the geological time scale.
3. Differentiate between endogenetic and exogenetic forces and their landform effects.
4. Identify major geomorphic processes and associated erosional and depositional landforms.
5. Apply geomorphological knowledge to human activities like dam construction and mining.

Learning Outcomes:

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

1. Understand the functioning of Earth systems in real-time and analyse how the natural and anthropogenic operating factors affect the development of landforms

2. Distinguish between the mechanisms that control these processes

3. Assess the roles of structure, stage, and time in shaping landforms, interpret geomorphological maps, and apply this knowledge in geographical research.

Course Content: Theory Paper		60 Hrs.
1. Introduction to Geomorphology: -	Meaning, Nature and Scope of Geomorphology. Origin of Earth, Principles and Basis of Geological Time Scale	15
2. Earth Interior Structure:	Earth Movements, Endogenetic and Exogenetic Movements, Plate Tectonics, Types of Folds and Faults	15
3. Earth Dynamics:	Theories of Isostasy: Airy and Pratt, Earthquakes and Volcanoes, Rocks: Characteristics, Types, Importance, and Rock Cycle	15
4.Geomorphic Processes and Evolution of Landforms:	Weathering, Mass Wasting, Cycle of Erosion: Davis and Penck. (Erosional and Depositional): Fluvial, Karst, Aeolian, Glacial, and Coastal, Applied Geomorphology: Dam Construction and Mining	15

Note for Assessment: - Final Examination 75 Marks+ Internal Examination 20+ Attendance 5 Marks =100 Marks

Skuman

R Kumar
16.07.25.
Head
Deptt. of Geography
K. U. Chaibasa

Question format for **75 Marks**:

Subject/ Code

F.M. = 75 **Time=3Hrs.** **Exam Year**

General Instructions:

i. **Group A** carries very short answer type **compulsory** questions.
ii. **Answer 4 out of 6** subjective/ descriptive questions given in **Group B**.
iii. Answer in your own words as far as practicable.
iv. Answer all sub parts of a question at one place.
v. Numbers in right indicate full marks of the question.

Group A

1. [5x1=5]
   i. .....
   ii. .....
   iii. .....
   iv. .....
   v. .....
2. ..... [5]
3. ..... [5]

Group B

4. ..... [15]
5. ..... [15]
6. ..... [15]
7. ..... [15]
8. ..... [15]
9. ..... [15]

Note: There may be subdivisions in each question asked in Theory Examination.

References:

1. Ahmed Enayat (2004): Geomorphology, Kalyani Publishers
2. Bloom A. L., (2003): Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, Prentice-Hall of India, New Delhi.
3. Bridges E. M., (1990): World Geomorphology, Cambridge University Press, Cambridge.
4. Christopherson, Robert W., (2011), Geosystems: An Introduction to Physical Geography, 8 Ed., Macmillan Publishing Company
5. Kale V. S. and Gupta A., (2001): Introduction to Geomorphology, Orient Longman, Hyderabad.
6. Knighton A. D., (1984): Fluvial Forms and Processes, Edward Arnold Publishers, London.
7. Richards K. S., (1982): Rivers: Form and Processes in Alluvial Channels, Methuen, London.
8. Selby, M.J., (2005), Earth's Changing Surface, Indian Edition, OUP
9. Skinner, Brian J. and Stephen C. Porter (2000), The Dynamic Earth: An Introduction to Physical Geology, 4th Edition, John Wiley and Sons
10. Thornbury W. D., (1968): Principles of Geomorphology, Wiley.
11. Gautam, A (2010): Bhautik Bhugol, Rastogi Punlications, Meerut
12. Tikkaa, R N (1989): Bhautik Bhugol ka Swaroop, Kedarnath Ram Nath, Meerut
13. Ram Kumar Tiwari, (2019): Bhautik Bhugol, Rajasthan Hindi Granth Academy, Jaipur
14. Singh, S (2009):Bhautik Bhugol ka Swaroop, Prayag Pustak, Allahabad

SKumar

R Kumar
16.07.25.
Head
Deptt. of Geography
K. U. Chaibasa

Semester-I

AC-1 Disaster Management (Theory)

Credit 4 **Teaching Hours 60**

Full Mark 100 **Passing Mark 40**

Learning Objectives

1. Understand and Differentiate Key Concepts,
2. Analyse Spatial Patterns and Causes
3. Evaluate Disaster Impacts
4. Understand Mitigation and Preparedness Strategies
5. Appreciate the Role of Indigenous and Community-Based Approaches

Learning Outcome:

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

1. Gain a perspective of disasters and various dimensions of disaster management

2. Have comprehensive knowledge of various natural and manmade disasters in India and Jharkhand

3. Examine the response and mitigation measures of disasters

Course Content: Theory		**60 Hrs**
1. Disasters	Definition of Hazard, Disaster, Vulnerabilities and Risk and Classification of Disasters	15
2. Disasters in India:	Distribution, Mapping, Causes and Impact of Flood, Drought, Landslide, Earthquake, Tsunami and Cyclone.	15
3. Manmade Disasters:	Distribution, Mapping, Causes and Impact.	15
4. Response and Mitigation to Disasters:	Mitigation and Preparedness, NDMA and NIDM, Indigenous Knowledge and Community-Based Disaster Management,	15

Note for Assessment: - Final Examination 75 Marks+ Internal Examination 20+ Attendance 5 Marks =100 Marks

SKumar

16.07.25.

Head
Deptt. of Geography
K. U. Chaibasa

Question format for **75 Marks**:

Subject/ Code

F.M. = 75 **Time=3Hrs.** **Exam Year**

General Instructions:

i. **Group A** carries very short answer type **compulsory** questions.
ii. **Answer 4 out of 6** subjective/ descriptive questions given in **Group B**.
iii. Answer in your own words as far as practicable.
iv. Answer all sub parts of a question at one place.
v. Numbers in right indicate full marks of the question.

Group A

1. [5x1=5]
   i. .....
   ii. .....
   iii. .....
   iv. .....
   v. .....
2. ..... [5]
3. ..... [5]

Group B

4. ..... [15]
5. ..... [15]
6. ..... [15]
7. ..... [15]
8. ..... [15]
9. ..... [15]

Note: There may be subdivisions in each question asked in Theory Examination.

Refrences:

1. Asthana , N.C. and Asthana P. (2014). Disaster Management. Pointer Publishers
2. Bryant , E.(2004). Natural Hazards. Cambridge University Press, India
3. Kapur ,Anu(2010). Vulnerable India: A Geographical Study Of Disasters. Sage Publications,
4. Savinder Singh(2019). ApdaPrabandhan.PravalikaPrakashan (Hindi).
5. Smith, Keith (2013). Environmental Hazards: Assessing risk and reducing disasters
6. Wisner, B., Blaikie P et al. (2004). At Risk: Natural Hazards, People's Vulnerability and Disasters. Routledge Taylor and Francis Group , NY (https://www.preventionweb.net/files/670_72351.pdf)
7. Singh R.B. (ed.) (2006). Natural Hazards and Disaster Management: Vulnerability and Mitigation . Rawat Publications, Jaipur.
8. Singh, J. (2007). Disaster Management: Future Challenges and Opportunities.IK International Pvt. Ltd, New Delhi.
9. Sinha, A. (2001). Disaster Management: Lessons drawn and Strategies for Future. New United Press, New Delhi.
10. Modh, S. (2010). Managing

Skumari

16.07.25

Head
Deptt. of Geography
K. U. Chaibasa