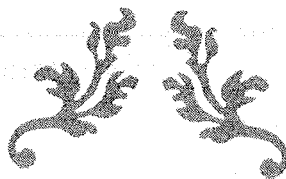
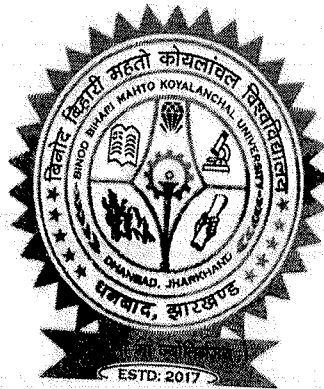


FYUGP
GEOGRAPHY HONOURS/ RESEARCH

FOR UNDER GRADUATE COURSES UNDER
BINOD BIHARI MAHTO KOYALANCHAL UNIVERSITY, DHANBAD



Implemented from
Academic Session 2025-2029

Table 1 A : Credit Framework for the first three years of FYUGP:

Session 2025-2029 onwards

**SEMESTER WISE COURSES OF STUDY FOR FOUR YEAR UNDERGRADUATE PROGRAMME
2025 onwards**
Table 2: Semester-wise Course Code and Credit Points for Single Major during the First Three Years of FYUGP

Semester	Common, Introductory, Major, Minor, Vocational & Internship Courses		Credits	
	Code	Papers	Paper	Semester
I	AEC-1	Language and Communication Skills (MIL-I; Modern Indian language Hindi/ English)	2	20
	VAC-1	Value Added Course- I	2	
	IKS-I	Indian Knowledge System-I/Social Awareness Activities	2	
	SEC-I	Skill Enhancement Course- I	3	
	MDC-I	Multi-disciplinary Course- I	3	
	AC-I	Associated core courses from discipline/ Interdisciplinary/ vocational	4	
	MJ-I	Major paper I (Disciplinary/ Interdisciplinary Major)	4	
II	AEC-2	Language and Communication Skills (MIL-I; Modern Indian language English/ Hindi)	2	20
	VAC-2	Value Added Course- 2	2	
	IKS-2	Social Awareness Activities/ Indian Knowledge System-I	2	
	SEC-2	Skill Enhancement Course-2	3	
	MDC-2	Multi-disciplinary Course-2	3	
	AC-2	Associated core courses from discipline/ Interdisciplinary/ vocational	4	
	MJ-2	Major paper 2 (Disciplinary/ Interdisciplinary Major)	4	
III	AEC-3	Language and Communication Skills (MIL-2; MIL including TRL)	2	20
	SEC-3	Skill Enhancement Course-3	3	
	MDC-3	Multi-disciplinary Course-3	3	
	ELC-1	Elective courses from discipline/ Interdisciplinary/ vocational	4	
	MJ-3	Major paper 3 (Disciplinary/ Interdisciplinary Major)	4	
	MJ-4	Major paper 4 (Disciplinary/ Interdisciplinary Major)	4	
IV	AEC-4	Language and Communication Skills (MIL-2; MIL including TRL)	2	20
	VAC-3	Value Added Course-3	2	
	ELC-2	Elective ELC from discipline/ Interdisciplinary/ vocational	4	
	MJ-5	Major paper 5 (Disciplinary/ Interdisciplinary Major having IKS)	4	
	MJ-6	Major paper 6 (Disciplinary/ Interdisciplinary Major)	4	
	MJ-7	Major paper 7 (Disciplinary/ Interdisciplinary Major)	4	
V	ELC-3	Elective courses from discipline/ Interdisciplinary/ vocational	4	20
	MJ-8	Major paper 8 (Disciplinary/ Interdisciplinary Major)	4	
	MJ-9	Major paper 9 (Disciplinary/ Interdisciplinary Major)	4	
	MJ-10	Major paper 10 (Disciplinary/ Interdisciplinary Major)	4	
	MJ-11	Major paper 10 (Disciplinary/ Interdisciplinary Major)	4	
VI	ELC-4	Elective courses from discipline/ Interdisciplinary/ vocational	4	20
	MJ-12	Major paper 12 (Disciplinary/ Interdisciplinary Major)	4	
	MJ-13	Major paper 13 (Disciplinary/ Interdisciplinary Major)	4	
	MJ-14	Major paper 14 (Disciplinary/ Interdisciplinary Major)	4	
	MJ-15	Major paper 15 (Disciplinary/ Interdisciplinary Major)	4	
Total Credits, excluding one Internship (IAP) of 4 credits			120	120

Abbreviations:

AEC	Ability Enhancement Courses
SEC	Skill Enhancement Courses
IAP	Internship/Apprenticeship/ Project
IKS	Indian Knowledge System
MDC	Multidisciplinary Courses
ELC	Elective Courses
MJ	Major Disciplinary/interdisciplinary Courses
AC	Associated core courses from discipline/ Interdisciplinary/ vocational
AMJ	Advanced Major Disciplinary/interdisciplinary Courses
RC	Research Courses
JOC	Skill based Job Oriented course

AEC (Ability enhancements courses)- 2 Credits

- Full marks – 50, Pass Marks – 20
- In AEC the students of all faculties will have to select either Hindi or English in Semester -1 and those students who have opted Hindi will have to select English as AEC in Semester -2 and vice versa. For 3rd and 4th semester student can opt Sanskrit, Urdu, Bengali, English, Hindi or TRL.
- In 4th semester there will be AEC-3 will include Language and Communication Skill in Hindi and English.
- No internal examination will be conducted.

VAC (Value added Courses)- 2 Credits

- Full marks – 50, Pass Marks – 20
- For 1st semester – “Understanding India”
- For 4th Semester – “Environmental Studies”
- No internal examination will be conducted.

SEC (Skill Enhancement Courses) – 3 Credits

- Full Marks – 75, Pass Marks – 30
- Digital Education or Mathematical & Computational Thinking Analysis is selected as SEC. Student will have to select or opt either of the two subjects for semester – I, II and III in no case both subjects will be allowed to opt.
- No internal examination will be conducted.

MDC (Multidisciplinary Courses) – 3 credits

- Full Marks – 75, Pass Marks – 30
- A student will study three different subjects in the multidisciplinary courses during first three semesters.
- No internal examination will be conducted.

Table 4: Suggested list of Associated Core (AC) for ARTS Discipline

S.N.	Major (MJ)	Associated Core (AC)
1	Economics	Commerce/management
		Political science/Statistics/mathematics
2	Geography	Geology/history/political science
		Statistics/computer science/Economics
3	History	Political Science /Economics
		Sociology/Anthropology
4	Political Science	History/Economics
		Sociology/Anthropology
5	Sociology	Anthropology/Economics
		History/Political Science
6	Philosophy	Sanskrit/English/Hindi/Urdu
		Psychology/Sociology/History
7	Psychology	Philosophy/Sociology /Anthropology
		Hindi/English/Urdu/Sanskrit

SEMESTER WISE COURSES OF STUDY FOR FOUR YEAR UNDERGRADUATE PROGRAMME **2025 onwards**

Table 5: Semester-wise Course Code and Credit Points and Marks distribution of Associated core courses

S.N.	Semester	Paper	Credits	Full Marks		Pass Marks	
				Theory (Internal+ End Sem)	Practical End Sem.	Theory (Internal+ End Sem)	Practical
1.	I/II	AC-1/AC-2	3+1	15+60	25	30	10

- No internal or mid-semester examination will be conducted for practical papers.

Table 6: Semester wise Course Code and Credit Points and Marks distribution of Elective courses

S.N.	Semester	Paper	Credits	Full Marks		Pass Marks	
				Theory (Internal+ End Sem)	Practical End Sem.	Theory (Internal+ End Sem)	Practical
1.	III/IV	ELC-1/ELC-2	3+1	15+60	25	30	10
2.	V/VI	ELC-3/ELC-4	3+1	15+60	25	30	10
3.	VII/VIII	ELC-5/ELC-6	3+1	15+60	25	30	10

Table 9: Semester wise Papers and Examination Structure for Associated Core Course in Geography

Semester	Code	Minor Papers	Credits	Full Marks		Pass Marks	
				Theory (Internal+ End Sem)	Practical End Sem.	Theory (Internal+ End Sem)	Practical End Sem
I/II	AC Theory	Introductory Geography	3	15(10+5) +60	-	30	
	AC Practical	Practical	1	-	25	-	10

SYLLABUS OF GEOGRAPHY DISCIPLINE SPECIFIC COURSE**SEMESTER-I****MAJOR PAPER-1****Theory****Instruction to faculty members and Question Setter for:****Semester Internal Examination (SIE):****Time: 1 hour**

The Semester Internal Examination shall have two component. (a) Written Examination of 10 Marks and (b) Class Attendance Score of 5 marks.

There will be two groups of question in written examination of 10 marks. Group A is compulsory and will contain five very short type questions containing 1 marks each and Group B will contain descriptive type two questions of 5 marks each, out of which any one is to be answered.

(Attendance UP to 75%, 1 Mark: $75 < \text{Attd.} < 80$, 2 marks: $80 < \text{Attd.} < 85$, 3 marks: $90 < \text{Attd.}$, 5 marks).

End Semester Examination (ESE):**Time: 3 hours**

The End Semester Exam will be of 60 marks. There will be two groups of questions. Group A is compulsory and will contain three questions. Question No. 1 will be very short type questions consisting of five questions of 1 mark each. Question No. 2 and 3 will be two short answer type questions of 5 marks each. Group B will contain descriptive type five questions of 15 marks each, out of which any three to be answered.

Program/Class: Undergraduate Certificate	Year-First	Semester-1
Paper - Physical Geography		
Paper Code: MJ-1	Core Compulsory	
Credit: 3 (45 hours)	1 Credit-15 hrs	
FM:75	SIE=15, ESE=60	
PM:30	IE=06, ESE=24	
Theory		
Unit 1: Physical geography- nature and scope: Branches of physical Geography: relation of Geography with physical Science (Geology, Meteorology, & Hydrology) and Social Sciences (Economics, Political Science, Anthropology and History)		
Unit 2: Origin of Solar System and Earth (Tidal Hypothesis of Jeans and Jeffreys, Gaseous Theory by Kant, Nebular Hypothesis of Laplace and Big Bang theory)		
Unit 3: Earth's Crust (Endogenetic and Exogenetic forces) folds, faults, plate tectonic.		
Unit 4: Major landforms (Types and classification of Mountains, Plateau and Plains) geosynclines- evolution of concept, geosynclinal orogen theory of Kober		
Unit 5: Origin and types of rocks; Classification of igneous, sedimentary and Metamorphic rock		
Reading List		
1. Bryant, H. Richard (2001): Physical Geography Made Simple, Rupa and Company, New Delhi.		
2. Negi, B.S (2000): Physical Geography, Kedar Nath Ram Nath, Meerut		

SYLLABUS OF GEOGRAPHY DISCIPLINE SPECIFIC COURSE.**SEMESTER-I****MAJOR PAPER-1****Practical-1***Instruction to faculty members and Question Setter for:***End Semester Examination (ESE):****Time: 6 hours***The Question for semester exam Practical experiment will be held of 25 Marks. Distribution of marks in end semester exam will be as experiment- 15, viva-voce-05 and notebook- 05.**(Note: There is no internal examination in practical paper)*

Program/Class: Undergraduate	Year-First	Semester-I
Certificate		
Paper - Practical I		
Paper Code: MJ-1P	Core Compulsory	
Credit: 1	1 Credit=30 hrs	
FM:25	PM: 10	
Practical	Credit 1	
<div>1. Relief representation from the topographical sheet (V-shaped valley, U-shaped valley, waterfall, cliff).</div> <div>2. Construction of graphical scale (linear, diagonal and comparative), conversion of map scale.</div> <div>3. Viva voce and practical notebook.</div>		
Reading List		
<div>1. Sarkar, A. (2015). <i>Practical geography: A systematic approach</i> (3rd ed.). Orient BlackSwan.</div> <div>2. Sharma, J. P. (2021). <i>Prayogik Bhugol</i> (4th ed.). Rastogi Publications.</div>		

Boyd, London.

5. Johnston R; Gregory D, Pratt G. et.al. (2008). The Dictionary of Human Geography, Blackwell Publication.

ASSOCIATED CORE COURSE IN GEOGRAPHY**SEMESTER I/SEMESTER II****GEOGRAPHY-AC-1 THEORY: INTRODUCTORY GEOGRAPHY****Credits: 03 Lectures: 45**

Marks: 75 (End Semester Examination=60, Semester Internal Examination= 10 (Theory), Attendance =05) **Pass Marks (Internal + End Semester) = 30**

Instructions to Question Setter for***Semester Internal Examination (SIE 10 marks):***

There will be **two** groups of questions. Question No.1 will be a **very short answer type** in **Group A**, consisting of five questions of 1 mark each. **Group B** will contain **descriptive type** two questions of five marks each, out of which one to be answered.

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 a **very short answer type** consisting of five questions of 1 mark each. **Questions No.2 & 3** will be **short-answer type** of 5 marks. **Group B** will contain **descriptive type** five questions of fifteen marks each, out of which any three are to be answered.

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

Program/Class: Undergraduate Certificate	Year-First	Semester-I/II
Paper - INTRODUCTORY GEOGRAPHY		
Paper Code:AC-1		
Credit: 3 (45 hours)		1 Credit,15 hrs
FM:75		SIE=15, ESE=60
PM:30		IE=06, ESE=24
Course Content: Unit 1- Origin of the Earth, Interior structure of the earth, Earthquake and volcanoes (10-Lectures) Unit 2- Evolution of landforms- Fluvial, glacial, Aeolian, coastal (10-Lectures) Unit 3- Structure and composition of atmosphere, pressure belt and planetary winds and climatic regions (10-Lectures) Unit 4- Distribution of human races, religion, language (10-Lectures) Unit 5- Distribution, density, and growth of World population (05 -Lectures)		
Reading List 1. Bloom, A. L., (2003): <i>Geomorphology: A Systematic Analysis of Late Cenozoic Landforms</i> , Prentice-Hall of India, New Delhi. 2. Singh Savindra (2015): <i>Bhuakriti vigyan ka Swarup</i> , Prayag Pustak Bhawan, Allahabad 3. Christopherson, R. W. and Birkeland, G. H., (2012) <i>Geosystems: An Introduction to Physical</i>		

GEOGRAPHY AC-1: Practical**Credit: 01 Lectures: 30**

Marks: 75 (End Semester Examination=60, Semester Internal Examination= 10 (Theory),
Attendance =05) **Pass Marks (Internal + End Semester) = 30**

Instructions to Question Setter for***End Semester Examination (ESE):***

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

Experiment	= 15 marks
Practical record notebook	= 05 marks
Viva-voce	= 05 marks

Practical

Unit 1- Scale- simple linear scale and RF

Unit 2- Study of Topographical Maps- Conventional signs and Interpretation (one each- hilly/plain area)

Practical Record:

A Project File comprising at least one exercise each, on scale and interpretation of topographic sheet

Reference

1. Anson, R., and Ormelling F. J., (1994): International Cartographic Association: Basic Cartographic, Vol. Pregmen Press.
2. Singh, Gopal., (1998): Map Work and Practical Geography (4th Edition), Vikas Publishing House, Ahmedabad.
3. Gupta, K.K. and Tyagi V.C., (1992): Working with Map, Survey of India, DST, New Delhi.
4. Kraak, M.J., (2010): Cartography: Visualization of Geospatial Data (3rd edition), Pearson Education Ltd., London

Proceedings of IGU Rohtak Conference, Volume 1. Advances in Geographical and Environmental Studies, Springer

5. Singh, R.B., Mal, Suraj, and Huggel, Christian (2018): *Climate Change, Extreme Events and Disaster Risk Reduction*, Springer, Switzerland, pages 309.