

**Syllabus for
Bachelor of Arts in Geography (Gen/Pass)
Under Choice Based Credit System**

**Academic Session:
w.e.f. 2020-2023**



for
**All Constituent/Affiliated Colleges Under
Binod Bihari Mahto Koyalanchal University,
Dhanbad**

**Members of Board of Studies of CBCS
Under- Graduate Syllabus as per Guidelines of the
Binod Bihari Mahto Koyalanchal University, Dhanbad**

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2. Invited Member: Dr. Debjani Biswas,
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3. Expert members: i) Dr. O. P. Mahato,
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ii) Dr. Pradeep Kumar Singh,
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4. Members: i) Dr. Madhumita Debnath,
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BASIC COURSE STRUCTURE OF B.A. (GENERAL)

Semester	Course Code	Name of Paper	Full Marks	End Semester Marks	Mid Semester (Internal) Marks
I	XYZ-G-DSC-101A-T (06 Credits, 60 Lectures & 15 Tutorials) or XYZ-G-DSC-101A-T (04 Credits, 60 Lectures) XYZ-G-DSC-101A-P (02 Credits, 30 Lectures)		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSC-102A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSC-102A-T (04 Credits, 60 Lectures) XYZ-G-DSC-102A-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSC-103A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSC-103A-T (04 Credits, 60 Lectures) XYZ-G-DSC-103A-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-AECC-101-T Language (English/Hindi/NH+MB) (02 Credits, 30 Lectures)		50	40	10
II	XYZ-G-DSC-201B-T (06 Credits, 60 Lectures & 15 Tutorials) or XYZ-G-DSC-201B-T (04 Credits, 60 Lectures) XYZ-G-DSC-202B-P		100 or 75 25	80 or 60 20	20 or 15 5

	(02 Credits, 30 Lectures)				
	XYZ-G-DSC-201B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSC-202B-T (04 Credits, 60 Lectures) XYZ-G-DSC-202B-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSC-203B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSC-203B-T (04 Credits, 60 Lectures) XYZ-G-DSC-203B-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-AECC-202-T Environmental Science (02 Credits, 30 Lectures)		50	40	10
III	XYZ-G-DSC-301C-T (06 Credits, 60 Lectures & 15 Tutorials) or XYZ-G-DSC-301C-T (04 Credits, 60 Lectures) XYZ-G-DSC-301C-P (02 Credits, 30 Lectures)		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSC-302C-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSC-302C-T (04 Credits, 60 Lectures) XYZ-G-DSC-302C-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSC-303C-T		100	80	20

	(06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSC-303C-T (04 Credits, 60 Lectures) XYZ-G-DSC-303C-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		or 75 25	or 60 20	or 15 5
	XYZ-G-SEC-301-T (02 Credits, 30 Lectures) (Annexure-1)		50	40	10
IV	XYZ-G-DSC-401D-T (06 Credits, 60 Lectures & 15 Tutorials) or XYZ-G-DSC-401D-T (04 Credits, 60 Lectures) XYZ-G-DSC-401D-P (02 Credits, 30 Lectures)		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSC-402D-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSC-402D-T (04 Credits, 60 Lectures) XYZ-G-DSC-402D-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSC-403D-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSC-403D-T (04 Credits, 60 Lectures) XYZ-G-DSC-403D-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-SEC-402-T (02 Credits, 30 Lectures) (Annexure-1)		50	40	10

V	XYZ-G-DSE-501A-T (06 Credits, 60 Lectures & 15 Tutorials) or XYZ-G-DSE-501A-T (04 Credits, 60 Lectures) XYZ-G-DSE-501A-P (02 Credits, 30 Lectures)		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSE-502A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSE-502A-T (04 Credits, 60 Lectures) XYZ-G-DSE-502A-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSE-503A-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSE-503A-T (04 Credits, 60 Lectures) XYZ-G-DSE-503A-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-SEC-503-T (02 Credits, 30 Lectures) (Annexure-1)		50	40	10
VI	XYZ-G-DSE-601AB-T (06 Credits, 60 Lectures & 15 Tutorials) or XYZ-G-DSE-601B-T (04 Credits, 60 Lectures) XYZ-G-DSE-601B-P (02 Credits, 30 Lectures)		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-DSE-602B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or		100 or 75 25	80 or 60 20	20 or 15 5

	XYZ-G-DSE-602B-T (04 Credits, 60 Lectures) XYZ-G-DSE-602B-P (02 Credits, 30 Lectures) Choice to choose from other disciplines				
	XYZ-G-DSE-603B-T (06 Credits, 60 Lectures & 15 Tutorials) Choice to choose from other disciplines or XYZ-G-DSE-603B-T (04 Credits, 60 Lectures) XYZ-G-DSE-603B-P (02 Credits, 30 Lectures) Choice to choose from other disciplines		100 or 75 25	80 or 60 20	20 or 15 5
	XYZ-G-SEC-604-T (02 Credits, 30 Lectures) (Annexure-1)		50	40	10
	Total Marks		2100	1680	420

Note:

- For General/Pass Course: In Core Courses as DSC: select 03 papers from each of the 03 disciplines of choice for Semester I to IV and in Elective Courses as DSE: select 02 papers from each of the 03 disciplines of choice including interdisciplinary nature for Semester V to VI.
- **Symbol of Paper: XYZ-H-C-101-T:** The first three symbols in Roman capital letters indicate the subject; the next symbol H or G indicate Honours or General course; the next symbol(s) denotes Core (C), Generic Elective (GE), Discipline Specific Elective (DSE), Discipline Specific Choice (DSC), AECC, SEC, etc. Out of the next three digits, the first digit indicates the semester e.g. 1,2,3,4,5,6 for semester I, II, III, IV, V, VI respectively, and the next two digits indicate paper number. The last letter T or P indicates Theory or Practical.

COURSE STRUCTURE OF GEOGRAPHY (GENERAL)

<u>Semester</u>	<u>Course Code</u>	<u>Name of Paper</u>	<u>Full Marks</u>	<u>End Semester Marks</u>	<u>Mid Semester (Internal) Marks</u>
I	GEOG-G-DSC-101A-T (04 Credits, 60 Lectures)	Introduction to Geography	75	60	15
	GEOG-G-DSC-101A-P (02 Credits, 30 Lectures)	+	25	20	05
	GEOG-G-AECC-101-T Language (English/Hindi/NH+MB) (02 Credits, 30 Lectures)		50	40	10
II	GEOG-G-DSC-201B-T (04 Credits, 60 Lectures)	Physical Geography	75	60	15
	GEOG-G-DSC-202B-P (02 Credits, 30 Lectures)	+	25	20	05
	GEOG-G-AECC-202-T Environmental Science (02 Credits, 30 Lectures)		50	40	10
III	GEOG-G-DSC-301C-T (04 Credits, 60 Lectures)	Geography of India and Jharkhand	75	60	15
	GEOG-G-DSC-301C-P (02 Credits, 30 Lectures)	+	25	20	05
	GEOG-G-SEC-301-T (02 Credits, 30 Lectures) (Annexure-1)	Environment and Public Health	50	40	10
IV	GEOG-G-DSC-401D-T (04 Credits, 60 Lectures)	Human Geography	75	60	15
	GEOG-G-DSC-401D-P (02 Credits, 30 Lectures)	+	25	20	05
	GEOG-G-SEC-402-T (02 Credits, 30 Lectures) (Annexure-1)	Constitution of India and Human Rights	50	40	10
V	GEOG-G-DSE-501A-T (04 Credits, 60 Lectures)	Environmental Geography or Population Geography	75	60	15
	GEOG-G-DSE-501A-P (02 Credits, 30 Lectures)	+	25	20	05
	GEOG-G-SEC-503-T (02 Credits, 30 Lectures) (Annexure-1)	Indian History, Culture and Diversity	50	40	10

VI	GEOG-G-DSE-601B-T (04 Credits, 60 Lectures)	Social Geography	75	60	15
	GEOG-G-DSE-601B-P (02 Credits, 30 Lectures)	Or Urban Geography + Practical	25	20	05
	GEOG-G-SEC-604-T (02 Credits, 30 Lectures) (Annexure-1)	Human Resource Development	50	40	10

SEMESTER-I

Instruction to Question Setter for End Semester Examination (ESE):

There will be two groups of questions. Five Questions to be answered out of Nine Questions. Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions). Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.

		Mid Semester			End Semester		Grand Total
		Written	Attendance	Total	Theory	Distribution of Marks	
1	Full Marks	10	05	15	60	5x12	60+15=75
2	Pass Marks	04	02	06	24	-	30

		No. of Questions to be set- 09 (Nine)		
Structure of Question		No. of Questions	Distribution of Marks	Total Marks
(A)	Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions).	1(A)- 6 1(B)- 2	1(A)- 6x1=6 1(B)- 2x3=6	12
(B)	Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.	4	4x12	48
Total				60

GEOG-G-DSC- 101A-T	INTRODUCTION TO GEOGRAPHY	(04 Credits, 60 Lectures) FM: 75 (60+15)
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Module I:

Introduction-The nature of Geography, objective and relevance. Role of Geography in the classification of Science, Geography: Major themes and sub themes.

Module II:

Geography as the Study of Environment, Man Environment Relationship, Ecology and Ecosystem, Environmental Determinism, Possibilism.

Module III:

Recent trends in geography with special reference to India. Environmental Degradation, Disaster and Environmental Management.

Module IV:

Issues related to Human Resources: Carrying capacity of the earth, Indicators of regional imbalances.

Books Recommended:

- Hartshorne, R., *Nature of Geography*, Rawat Publication, New Delhi.
- Harvey, D., *Explanation in Geography*, Rawat Publication, New Delhi.
- Hussain, Majid, *Evolution of Geographical Thought*, Rawat Publication, New Delhi.
- Adhikari, S., *Fundamentals of Geographical Thought*, Orient Blackswan Publication.
- Dixit, R. D., *Geographical Thought: Contextual Histories of Ideas*, Prentice Hall India, New Delhi.
- Shrivastav, V. K., *Bhaugolik Chintan Ke Aadhar*, Vasundhara Prakashan, Gorakhpur.
- Kaushik evam Rawat, *Bhaugolik Vichar Dharae evam Vidhi Tantra*, Rastogi Prakashan, Meerut.
- Hussain, M., *Bhaugolik Vichardharaon Ka Uday evam Vikas*, Rawat Prakashan, New Delhi.
- Dixit, A. S., *Bhugol Ki Prastawana*, Vaundhara Prakashan, Gorakhpur.
- Preet, R., *Radical Geography*, Rawat Publication, New Delhi.

GEOG-G-DSC-101A-P	PRACTICAL	(02 Credits, 30 Lectures) FM: 25 (20+05)
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A) History of Cartography, types of maps, Scale: simple, comparative, diagonal, Maps enlargement and reduction.

10 Marks

B) Modern Techniques of map making components of computer cartography (GIS).

10 Marks

C) PNB + Viva-Voce.

05 Marks

Books Recommended:

- Singh, L. R., *Fundamentals of Practical Geography*, Sharda Pushtak Bhawan, Allahabad.
- Sharma, J. P., *Prayogik Bhugol*, Rastogi Prakashan, Meerut.
- Singh, L. R., *Prayogik Bhugol Ke Mool Siddhant*, Sharda Pustak Bhawan, Allahabad.
- Singh and Singh, *Elements of Practical Geography*, Kalyani Publishers, New Delhi.
- Chauhan, R. P., *Ramsurat, Prayogatmak Bhugol Ki Rooprekha*, Vasundhara Prakashan, Gorakhpur.
- Sinha evam Bala, *Uchh Cartography*, Sharda Pustak Bhawan, Allahabad.
- Sarkar, Ashish, *A Practical Geography*, Orient Blackswan Private Limited, New Delhi.
- Saha, P., *Advanced Practical Geography*, Orient Blackswan Private Limited, New Delhi.

GEOG-G-AECC-102-T	LANGUAGE (English/Hindi/NH+MB). (Refer AECC Curriculum of B.B.M.K. University)	(02 Credits, 30 Lectures) FM: 50 (40+10)
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SEMESTER-II

Instruction to Question Setter for End Semester Examination (ESE):

There will be two groups of questions. Five Questions to be answered out of Nine Questions. Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions). Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.

		Mid Semester			End Semester		Grand Total
		Written	Attendance	Total	Theory	Distribution of Marks	
1	Full Marks	10	05	15	60	5x12	60+15=75
2	Pass Marks	04	02	06	24	-	30

No. of Questions to be set-		09 (Nine)		
	Structure of Question	No. of Questions	Distribution of Marks	Total Marks
(A)	Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions).	1(A)- 6 1(B)- 2	1(A)- 6x1=6 1(B)- 2x3=6	12
(B)	Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.	4	4x12	48
Total				60

GEOG-G-DSC- 201B-T	PHYSICAL GEOGRAPHY	(04 Credits, 60 Lectures) FM: 75 (60+15)
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Module I:

Origin of the earth (Theories) Jeans & Jeffry & Otto Schmidt, Interior of the earth, Continental Drift Theory, Plate Tectonics and Mountain Building, Isostasy.

Module II:

Cycle of Erosion (Davis & Penck Theory), Topography- Fluvial, Arid, Glacial, Karst, Coastal, Volcanic Eruption & Earthquake.

Module III:

Composition & Structure of the Earth Atmosphere, Air Masses and Fronts; Classification of Climate – Koeppen's; Temperate & Tropical Cyclones; Heat Budget of the earth- Green House Effect, Global Warming.

Module IV:

Bottom relief of Indian & Atlantic Ocean; Salinity of Ocean water, Tides, Ocean Deposits, Coral Reefs.

Books Recommended:

- Dayal, P., *A Textbook of Geomorphology*, Rajesh Publications, Delhi.
- Thornbury, W., *Principles of Geomorphology*, CBS Publishers, Delhi.
- Holmes, A., *Principles of Physical Geology*, Third Edition, ELBS Nostrand Reinhold Co. Ltd.
- Sidhartha, A., *Dynamics of the Dark*, Kitab Mahal, New Delhi.
- Khullar, D. R., *Physical Geography*, Kalyani Publishers, New Delhi.
- Singh, Savindra, *Geomorphology*, Prawalika Publications, Allahabad.
- Sharma, J. P., *Bhuaakritivigyan*, Rastogi Prakashan, Meerut.
- Singh, Savindra, *Bhuaakritivigyan*, Vasundhara Prakashan.
- Dayal, P., *Bhuaakritivigyan*, Rajesh Prakashan, New Delhi.
- Strahlar, A., *Introducing Physical Geography*, Wiley, India.
- Ahmad, E., *Geomorphology*, Kalyani Publishers, New Delhi.

- Singh, S., *Physical Geography*, Pravalika Publications, Allahabad.
- Gautam, A., *Geomorphology*, Sharda Pustak Bhawan, Allahabad.
- Strahaler, A., *Introducing Physical Geography*, Wiley, India.
- Hussain, Majid, *Fundamentals of Physical Geography*, New Delhi.
- Skinner and Orter, *The Dynamic Earth: An Introduction to Physical Geography*, American Museum of Natural History.
- Critchfield, H. J., *General Climatology*, Pearson Education, India.
- Lutgen, Tarbuck and Tasa, *The Atmosphere*, PHI Learning Pvt., New Delhi.
- Barry and Chorley, *Atmosphere, Weather and Climate*, Routledge India.
- Sidhartha, K., *Atmosphere, Weather and Climate*, Kitab Mahal, Delhi.
- Lal, D. S., *Jalvayu Vigyan*, Sharda Pustak Bhawan, Allahabad.
- Singh, S., *Climatology*, Pravalika Prakashan, Allahabad.
- Lal, D. S., *Climatology*, Sharda Pustak Bhawan, Allahabad.
- Singh, S., *Jalvayu Vigyan*, Pravalika Prakashan, Allahabad.
- Gautam, Alka, *Jalvayu Vigyan evam Samudra Vigyan*, Rastogi Prakashan, Meerut.
- Sharma and Vatal, *Oceanography for Geographers*, Chaitanya Publishing House, Allahabad.
- Trujillo, N., Thurman, *Essential of Oceanography*, Pearson Education India.
- Lal, D. S., *Oceanography*, Sharda Pustak Bhawan, Allahabad.
- Gautaum, Alka, *Jalvayu evam Samudra Vigyan*, Rastogi Prakashan, Meerut

GEOG-G-DSC- 201B-P	PRACTICAL	(02 Credits, 30 Lectures) FM: 25 (20+05)
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- A) Drawing of Climograph and Hythergraph and their Interpretation. Isopleth related to climatic conditions. **10 Marks**
- B) Study Topographical Map of India with respect of Relief, Drainage, Settlement & Communication Pattern. **10 Marks**
- C) PNB + Viva- Voce. **05 Marks**

GEOG-G-AECC- 202-T	ENVIRONMENTAL SCIENCE (Refer AECC Curriculum of B.B.M.K. University)	(02 Credits, 30 Lectures) FM: 50 (40+10)
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SEMESTER-III

Instruction to Question Setter for End Semester Examination (ESE):

There will be two groups of questions. Five Questions to be answered out of Nine Questions. Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions). Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.

		Mid Semester			End Semester		Grand Total
		Written	Attendance	Total	Theory	Distribution of Marks	
1	Full Marks	10	05	15	60	5x12	60+15=75
2	Pass Marks	04	02	06	24	-	30

	No. of Questions to be set- 09 (Nine)			
	Structure of Question	No. of Questions	Distribution of Marks	Total Marks
(A)	Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions).	1(A)- 6 1(B)- 2	1(A)- 6x1=6 1(B)- 2x3=6	12
(B)	Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.	4	4x12	48
	Total			60

GEOG-G-DSC- 301C-T	GEOGRAPHY OF INDIA AND JHARKHAND	(04 Credits, 60 Lectures) FM: 75 (60+15)
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Module I:

Physical divisions of India; Geological Structure of India; Indian Climate, Drainage System of India and their functional significance.

Module II:

Soil types of India, their distribution and characteristics; Vegetation types, their distribution and forest resource; Minerals and power resource, status of their use and need of conservation; Geographical region- Middle Ganga plains, Tamil Region.

Module III:

Spatial distribution of population and density, population explosion, sex composition- causes and effects; Regional disparities in social and economic development.

Module IV:

Forest and minerals resources of Jharkhand; Habitat and economy of Santhal and Oraon; Development of tourism and prospects of tourism; Environment of tourism and tourism policy in Jharkhand.

Books Recommended:

- Singh, R.L. (ed.), *India: A Regional Geography*, National Geographical Society of India, Varanasi.
- Khullar, D. R., *India: A Comprehensive Geography*.
- Gautam, Alka, *An Advance Geography of India*, Rastogi Prakashan, India.
- Chauhan evam Gautam, *Bharat*, Rastogi Prakashan, Meerut.
- Shrivastav, A. L., *Bharat Ka Bhugol*, Sharda Pustak Bhawan, Allahabad.
- Bansal, Suresh, *Bharat ka Vrihat Bhugol*, Meenakshi Prakashan, Meerut.
- Rao evam Tyagi, *Bharat ki Bhaugolik Samiksha*, Vasundhara Prakashan, Gorakhpur.
- Singh and Singh, *Land and People: Jharkhand*, Rajesh Publication, Delhi.
- Singh, S. K., *Jharkhand Pradesh ki Bhaugolik Vyakhya*, Rajesh Prakashan, New Delhi.
- Tiwari, R. K., *Jharkhand Ka Bhugol*, Rajesh Prakashan, New Delhi.
- Sharma evam Vikram, *Chotanagpur Ka Bhugol*, Rajesh Prakashan, New Delhi.
- Tripathi, *Geography of India*.
- Nag and Sengupta, *Geography of India*, Concept Publishing Company, New Delhi.

GEOG-G-DSC-301C-P	PRACTICAL	(02 Credits, 30 Lectures) FM: 25 (20+05)
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A) Basic principles of land surveying with prismatic compass: open and close traverse, Plane Table: Radiation & Intersection, Indian Clinometer.

10 Marks

B) Projection- Conical Projection with one standard parallel and Two standard Parallel, Simple cylindrical equal Area and Equidistant Projection.

10 Marks

C) PNB + Viva- Voce.

05 Marks

GEOG-G-SEC-301-T	ENVIRONMENT AND PUBLIC HEALTH (For course details refer Annexure 1)	(02 Credits, 30 Lectures) FM: 50 (40+10)
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SEMESTER-IV

Instruction to Question Setter for End Semester Examination (ESE):

There will be two groups of questions. Five Questions to be answered out of Nine Questions. Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions). Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.

		Mid Semester			End Semester		Grand Total
		Written	Attendance	Total	Theory	Distribution of Marks	
1	Full Marks	10	05	15	60	5x12	60+15=75
2	Pass Marks	04	02	06	24	-	30

	No. of Questions to be set- 09 (Nine)			
	Structure of Question	No. of Questions	Distribution of Marks	Total Marks
(A)	Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions).	1(A)- 6 1(B)- 2	1(A)- 6x1=6 1(B)- 2x3=6	12
(B)	Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.	4	4x12	48
	Total			60

GEOG-G-DSC 401D-T	HUMAN GEOGRAPHY	(04 Credits, 60 Lectures) FM: 75 (60+15)
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Module I:

Nature and scope of Human Geography, Branches of human Geography. Physical and social profile of social groups, ethnic groups, tribal groups and religious groups in India.

Module II:

Early economic activities of mankind: food gathering, hunting, fishing and shifting cultivation. Human adaptation to the environment:

- 1) Cold region - Eskimo
- 2) Hot region- Bushman.

Module III:

Distribution of Population: World distribution pattern, Geographical factors of distribution; Concept of over population, under population and optimum population, Slum population and environment in India.

Module IV:

Migration: Push and Pull Factors, National and International Types; Population Policy in India.

Books Recommended:

- Chandna, R.C., *Population Geography*, Kalyani Publisher.
- Hassan, M.I., *Population Geography*, Rawat Publications, Jaipur
- Daniel, P.A. and Hopkinson, M.F., *The Geography of Settlement*, Oliver & Boyd, London.
- Johnston R; Gregory D, Pratt G. et al., *The Dictionary of Human Geography*, Blackwell Publication.
- Jordan-Bychkov et al., *The Human Mosaic: A Thematic Introduction to Cultural Geography*. W. H. Freeman and Company, New York.
- Kaushik, S.D., *Manav Bhugol*, Rastogi Publication, Meerut.
- Maurya, S.D., *Manav Bhugol*, Sharda Pustak Bhawan. Allahabad.
- Hussain, Majid, *Manav Bhugol*. Rawat Publications, Jaipur.
- Singh, D. P., *Manav BhugolKa Mool Tatv*, Kalyani Prakashan.
- Singh, Lekh Raj, *Fundamentals of Human Geography*, Sharda Publications.

GEOG-G-DSC-401D-P	PRACTICAL	(02 Credits, 30 Lectures) FM: 25 (20+05)
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A) Statistical Methods- Use of Mean, Median, Mode and Standard Deviation in Data Analysis and Mapping. 10 Marks

B) Map Projection- Polyconic, Bonnes, Zenithal Equal- Area and Equidistant. 10 Marks

C) PNB + Viva-Voce. 05 Marks

GEOG-G-SEC-401-T	CONSTITUTION OF INDIA AND HUMAN RIGHTS (For course details refer Annexure 1)	(02 Credits, 30 Lectures) FM: 50 (40+10)
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SEMESTER-V

Instruction to Question Setter for End Semester Examination (ESE):

There will be two groups of questions. Five Questions to be answered out of Nine Questions. Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions). Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.

		Mid Semester			End Semester		Grand Total
		Written	Attendance	Total	Theory	Distribution of Marks	
1	Full Marks	10	05	15	60	5x12	60+15=75
2	Pass Marks	04	02	06	24	-	30

	No. of Questions to be set- 09 (Nine)			
	Structure of Question	No. of Questions	Distribution of Marks	Total Marks
(A)	Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions).	1(A)- 6 1(B)- 2	1(A)- 6x1=6 1(B)- 2x3=6	12
(B)	Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.	4	4x12	48
	Total			60

GEOG-G-DSE- 501A-T	ENVIRONMENTAL GEOGRAPHY OR POPULATION GEOGRAPHY	(04 Credits, 60 Lectures) FM: 75 (60+15)
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ENVIRONMENTAL GEOGRAPHY

Module I:

Meaning and importance of Environmental Geography- concept of environment, relationship of environmental geography with earth science, physical science and biological sciences.

Module II:

Meaning, structure and components of environment. Meaning of Ecology and Ecosystem, types and functioning of Ecosystem. Productivity and stability- biosphere as an ecosystem.

Module III: Energy flow in the ecosystem, trophic levels, food chains and food web, ecological pyramids- circulation of elements in the ecosystem, biochemical cycles. Biomes- Biomes of tropical rainforests, Tropical deciduous and savanna biomes. Human impact on Environment- Environmental pollution (i) Air Pollution (ii) Water Pollution (iii) Noise Pollution (iv) Land Pollution, Depletion of ozone layer, Green House Effect, Environmental Impact Assessment (EIA)

Module IV:

Natural Hazards and degradation of Environment- Volcanoes earthquakes and cyclones. Conservation and management of physical and cultural environment. International and national policies on protection of earth environment- Role of UNO.

Books Recommended:

- Singh, Savindra, *Environmental Geography*, Prag Pustak Bhawan, Allahabad.
- Sharma, P. D., *Ecology and Environment*, Rastogi Publication, Meerut.
- Gautam, Alka, *Geography of Resources: Exploitation, Conservation and Management*, Rastogi Publication, Meerut.
- Gautam, Alka, *Environmental Geography*, Rastogi Publication, Meerut.
- Kaushik, S. D. and Garg, Kuldip, *Sansadhan evam Paryavaran Bhugol*, Rastogi Prakashan, Meerut.
- Prasad and Nautiyal, *Paryavaran Bhugol*, Sharda Pustak Bhawan, Allahabad.

- Singh, Savindra, *Paryavaran Bhugol Ka Swaroop*, Prawalika Prakashan, Allahabad.
- Gautam, Alka, *Sansadhan evam Paryavaran*, Sharda Pustak Bhawan, Allahabad.
- Srivastav, Lokesh, *Paryavaran adhyayan evam Prabandh*, Sharda Pustak Bhawan, Allahabad.
- Singh, Savindra, *Jaiiv Bhugol*, Sharda Pustak Bhawan, Allahabad.
- Bhattacharya, N.N., *Biogeography*, Rajesh Publication, New Delhi.
- Negi, P. S., *Paristhitiki evam Paryavaran Bhugol*, Rastogi Prakashan, Meerut.

OR

POPULATION GEOGRAPHY

Module I:

Nature and scope of population geography; Sources and types of population data: census, sample survey (NSS) and vital registration system.

Module II:

World population: growth, causes and consequences; Factors affecting population distribution; Migration: types and determinants; Urbanization: trends and pattern

Module III:

Population dynamics: fertility and mortality, age and sex structure; Occupational structure; Malthusian Theory and Demographic transition theory; human resource development: indicators and patterns.

Module IV:

INDIA- Population growth; Distribution of population; Density types; Population problems; Population Policy.

Books Recommended:

- Maurya, S. D., *Population Geography*, Prawalika Publication, Allahabad.
- Chandana, R. C., *Jansankhya Bhugol*, Kalyani Publishers, New Delhi.
- Tripathi, R. D., *Jansankhya Bhugol*, Vasundhara Prakashan, Gorakhpur.
- Sahoo, H. (ed.) *Population Issues*, Rawat Publication, New Delhi.
- Tiwari, Ram Kumar, *Jansankhya Bhugol*, Prawalika Publication, Allahabad.
- Unisa, S., *Population Health and Environment*, Rawat Publication, New Delhi.
- Mukherjee, *Migration in India: Urbanization, Regional Disparities*, Rawat Publication, New Delhi.

GEOG-G-DSC-501A-P	PRACTICAL	(02 Credits, 30 Lectures) FM: 25 (20+05)
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- A) Maps- meaning and classification- Atlas Wall Maps, Wall Maps, Topographical, Cadastral Maps, Physical and cultural maps. **10 Marks**
- B) Scales- Meaning, significance, types. Conversion of Scales, Graphical Scale, Linear and Diagonal Scales with illustration. **10 Marks**
- C) PNB + Viva – Voce. **05 Marks**

GEOG-G-SEC-501-T	INDIAN HISTORY, CULTURE AND DIVERSITY (For course details refer Annexure 1)	(02 Credits, 30 Lectures) FM: 50 (40+10)
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Semester-VI

Instruction to Question Setter for End Semester Examination (ESE):

There will be two groups of questions. Five Questions to be answered out of Nine Questions. Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions). Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.

		Mid Semester			End Semester		Grand Total
		Written	Attendance	Total	Theory	Distribution of Marks	
1	Full Marks	10	05	15	60	5x12	60+15=75
2	Pass Marks	04	02	06	24	-	30

	No. of Questions to be set- 09 (Nine)			
	Structure of Question	No. of Questions	Distribution of Marks	Total Marks
(A)	Group A is compulsory and will contain two questions. Question No.1 (A) will be MCQ of 1 mark each (six questions). Question No.1 (B) will be short answer type to be answered in about 50 words of 3 marks (2 Questions).	1(A)- 6 1(B)- 2	1(A)- 6x1=6 1(B)- 2x3=6	12
(B)	Group B will contain descriptive type eight questions of twelve marks each, out of which any four are to answer. Each question carries 12 marks.	4	4x12	48
	Total			60

GEOG-G-DSE- 601B-T	SOCIAL GEOGRAPHY OR URBAN GEOGRAPHY	(04 Credits, 60 Lectures) FM: 75 (60+15)
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SOCIAL GEOGRAPHY

Module I:

Meaning and scope of social geography; Social differentiation and stratification; Social morphology.

Module II:

Social region formation: Bases of social region formation; Evolution of socio-cultural regions of India; Role of race, caste, tribe, religion and languages; India — unity in diversity.

Module III:

Concept of social wellbeing; Physical quality of life; Human development: concept and measurements; Health care, education and shelter; Gender issues in India.

Module IV:

Public policy and social planning in India; Appraisal of Five-Year Plans and social policies in India; Social policy and planning for drought and flood prone areas.

Books Recommended:

- Maurya, S. D., *Samajik Bhugol*, Sharda Pustak Bhawan.
- Singh, B. A. N., *Samajik Bhugol*, Prayag Pustak Bhawan.
- Ahmed, A., *Social Geography*, Rawat Publication, New Delhi
- Jones, E. and Eyles, J., *An Introduction to Social Geography*, Oxford University Press, Oxford.
- Ahmed A., *Social Geography*, Rawat Publications, Delhi.
- Casino V. J. D., Jr., *Social Geography: A Critical Introduction*, Wiley Blackwell.
- Cater J. and Jones T., *Social Geography: An Introduction to Contemporary Issues*, Hodder Arnold.
- Panelli R., *Social Geographies: From Difference to Action*, Sage Publications.
- Smith D. M., *Geography and Social Justice*, Blackwell, Oxford.

OR

URBAN GEOGRAPHY

Module I:

Urban geography: Introduction, nature and scope.

Module II:

Patterns of urbanization in developed and developing countries.

Module III:

Functional classification of cities: Quantitative and Qualitative Methods.

Module IV:

Urban Issues: problems of housing, slums, civic amenities (water and transport).

Module V:

Case studies of Delhi, Mumbai, Kolkata, Chennai and Chandigarh with reference to Land use and Urban Issues.

Books Recommended:

- Fyfe N. R. and Kenny J. T., *The Urban Geography Reader*, Routledge.
- Graham S. and Marvin S., *Splintering Urbanism: Networked Infrastructures, Technological Mobilities and the Urban Condition*, Routledge.
- Hall T., *Urban Geography*, Taylor and Francis.
- Kaplan D. H., Wheeler J. O. and Holloway S. R., *Urban Geography*, John Wiley.
- Knox P. L. and McCarthy L., *Urbanization: An Introduction to Urban Geography*, Pearson Prentice Hall New York.
- Knox P. L. and Pinch S., *Urban Social Geography: An Introduction*, Prentice-Hall.
- Pacione M., *Urban Geography: A Global Perspective*, Taylor and Francis.
- Sassen S., *The Global City: New York, London and Tokyo*, Princeton University Press.
- Ramachandran R., *Urbanisation and Urban Systems of India*, Oxford University Press, New Delhi
- Ramachandran, R., *The Study of Urbanisation*, Oxford University Press, Delhi
- Singh, R.B. (Eds.), *Urban Sustainability in the Context of Global Change*, Science Pub Inc., Enfield (NH), USA and Oxford & IBH Pub., New Delhi.
- Singh, R.B. (Ed.) *Urban Development, Challenges, Risks and Resilience in Asian megacities. Advances in Geographical and Environmental Studies*, Springer.

GEOG-G-DSC-601B-P	PRACTICAL	(02 Credits, 30 Lectures) FM: 25 (20+05)
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A) Project Work: Prepare a project report on a relevant topic related to Social Geography or Urban Geography allotted by the department/HOD.

20 Marks

B) Viva-Voce.

05 Marks

<p style="text-align: center;">GEOG-G-SEC- 601-T</p>	<p style="text-align: center;">HUMAN RESOURCE DEVELOPMENT (For course details refer Annexure 1)</p>	<p style="text-align: center;">(02 Credits, 30 Lectures) FM: 50 (40+10)</p>
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Binod Bihari Mahto Koyalanchal University, Dhanbad

End-Semester Examination xxxx (Session: xxxx-xx)

Subject/Code:

Full Marks: 60

Pass Marks: 24

Time: 3Hours

General Instructions:

Candidates are required to give their answers in their own words as far as practicable.

The Questions are of equal value.

Answer any five questions of the following in which Q.1 is compulsory.

Group A

1. (A) Multiple Choice Questions

(1x6=06)

- (i)
- (ii)
- (iii)
- (iv)
- (v)
- (vi)

(B) Short answer type questions

(3x2=06)

- (a)
- (b)

Group B

(Long answer type questions)

Answer any four of the following.

(12x4=48)

- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Short notes type questions (6x2=12)

- (a)
- (b)
- (c)
- (d)



Binod Bihari Mahto Koyalanchal University, Dhanbad

End-Semester Examination xxxx (Session: xxxx-xx)

Subject/Code:

Full Marks: 40

Pass Marks: 16

Time: 2Hours

General Instructions:

Candidates are required to give their answers in their own words as far as practicable.

The Questions are of equal value.

Answer any five questions of the following in which Q.1 is compulsory.

Group A

1. (A) Multiple Choice Questions (1x4=04)

(i)

(ii)

(iii)

(iv)

(B) Short answer type questions (2x2=04)

(a)

(b)

Group B

(Long answer type questions)

Answer any four of the following. (8x4=32)

2.

3.

4.

5.

6.

7.

8.

9. Short notes type questions (4x2=8)

(a)

(b)

(c)

(d)