

M. A. Examination 2024
Semester - IV
Geography
Paper- XIX
Regional Planning and Rural Development

Time: 4 hours

Full Marks: 40

Questions are of values as indicated in the right hand side margin.
Attempt any three questions selecting one from each unit.

Unit 1: Conceptual Definition

1. Write an account on the concept-of regional planning. Discuss the need of regional planning. 4+10=14
2. Explain the characteristics of planning region. Write a brief note on the hierarchy of planning regions. 9+5=14

Unit 2: Planning- Its types and Framework

3. Explain in brief the social purpose of planning with respect to NITI Aayog and Ministry of Tribal Affairs. 6+7=13
4. Differentiate between Top-down approach and Bottom-up approach of regional planning. Discuss the multi-level planning process in India. 5+8=13

Unit 3: Planning in India

5. Highlight the goals and achievements of five year plans formulated by the erstwhile planning commission of India. 13
6. Critically examine at least three urban development /rural development projects proposed by the Central Government in the last ten years. 13

M.A. Examination 2024

Semester-IV

GEOGRAPHY

Paper-XX

Geoinformatics

Time: 3 Hours

Full Marks: 40

Questions are of values as indicated in the margin.

*Attempt any **three** questions selecting **one** from each unit*

Unit-1

Scope, Contents and Purposes of Geoinformatics

1. Explain the concept of *Geoinformatics*. Discuss its contents and scope in Geography. 6+8=14
2. Write a brief overview on *Geospatial Data Format*. Give an account of *Data Communication* and its applications. 6+8=14

Unit-2

Geographic Information System (GIS)

3. Narrate the GIS data model. Explain *Data Structure* in GIS. 5+8=13
4. Bring out the meaning and perception of GIS. Write in brief GIS applications in geographical studies. 5+8=13

Unit-3

Global Positioning System and Graphics

5. Elaborate the concept of *GPS* in detail. Write a short note on *IRNSS*. 10+3=13
6. Discuss the application of *GPS*. Write a short note on *ETS*. 10+3=13

DEPARTMENT OF GEOGRAPHY
VISVA-BHARATI

M.A. Examination- 2024
Semester-IV

Paper: XXI (Special Paper)
(Tourism Geography)

Time- 3 Hours

Full Marks—40

Questions are of values as indicated in the margin

Answer any four questions from the followings:

Unit-1

(Basics of Tourism Geography)

1. Write an account on development of tourism geography. Why tourism is considered as a subject of multi-disciplinary research? 10+4=14
2. Why is tourism considered as system? Explain the viability of branding Kalimpong as a destination with a focus on the development of various tourism typologies. 4+10= 14

Unit- 2

(Tourism and Development)

3. Narrate with suitable examples how tourism acts as an instrument for backward area development. What are the major characteristics of CBT? 10+3=13
4. Explain the utility of various theoretical models in tourism sustainability research. How globalization influences tourism in rural India? 10+3=13

Unit- 3

(Tourism and Environment)

5. Elaborate the concept of tourism carrying capacity with their measurement techniques. What are the SDGs that could relate with tourism development and planning? 8+5=13
6. Explain how women empowerment could be achieved from rural tourism. How in destinations, "Dark Tourism" has been designed within its various spectrum? 8+5=13

M. A. Examination 2024
Semester IV
Geography
Paper: XXI (Special Paper)
Urban Geography

Time: 3 hours

Full Marks: 40

Questions are of values as indicated in the margin.
*Attempt any **three** questions selecting **one** from each unit.*

Unit-I
(Concept and Approaches)

1. What do you understand by the term 'Urbanization Processes'? 'Urbanization is a Socio-Cultural Process' – Elucidate the statement with suitable examples 5+9=14
2. Define urban centre and its characteristics. Explain different geographical approaches to the study of Urbanization. 4+10=14

Unit-II
(Urban System)

3. Discuss how Louis Wirth envisaged *Urbanism* and explained its characteristics: 5+8=13
4. What is Primate City model? Write a concise account on development and characteristics of Conurbation. 5+8=13

Unit- III
(Spatial Relations and Urban Planning)

5. Illustrate the structure of city-region. Comment on city-regions in India in brief. 9+4=13
6. Distinguish between *urbanization policy* and *urban policy*. Highlight some recently adopted urban development policies launched by the Government of India. 4+9=13

DEPARTMENT OF GEOGRAPHY
VIDYA-BHAVANA
VISVA-BHARATI

M.A. Examination, 2024
M.A Semester-IV
Paper- XXII (Practical): Tourism Geography

Full Marks: 40

Time: 4 hours

Attempt all questions

1. Create a folder on Desktop mentioning your Roll Number. Generate a DEM of an area of tourist interest from the SRTM image (EXAM24DEM.rvc) given in 'SPLTOURISM' folder and save the result. 8
2. From the given map, calculate the *alpha, beta and gamma indices* of transport network and interpret them. 8
3. Create a folder with your roll number on desktop. Copy the given excel file in desktop titled 'DA' to the newly created folder. Analyze the given dataset and interpret the result. 8
4. Prepare a questionnaire to derive perception of the host community of the destination on relation between tourism and climate change with the application of Likert Scale. 8
5. Laboratory Note Book and Viva-voce 4+4=8

DEPARTMENT OF GEOGRAPHY
VIDYA-BHAVANA
VISVA-BHARATI

M.A. Examination, 2024
M.A Semester-IV
Paper- XXII (Practical): Urban Geography

Full Marks: 40

Time: 4 hours

Attempt all questions

1. Calculate the level of urbanization (Hooghly District) on the basis of following data with proper interpretation and represent it on the given Map 1. 8

C.D.Block	Total Population (Person)	Population Density (Persons/Sq. km)	% of Urban Population	% of Tertiary Worker
Dhaniakhali	320534	12	0	25
Pandua	316197	12	15.92	21.79
Balagarh	228998	12	12.31	28.48
Chinsurah-Mogra	244383	44	64.49	23.11
Polba-Dadpur	263555	9	0	23.1
Tarakeswar	179148	15	0	37.17
Haripal	261073	14	1.75	35.69
Singur	276413	20	18.98	44.29
Jangipara	221578	14	7.44	32.87
Chanditala-I	179825	29	41.79	32.31
Chanditala-II	158396	70	69.13	23.15
Serampur-Uttarpara	152266	74	76.1	17.87
Goghat-I	140030	8	0	27.28
Goghat-II	160585	8	0	25.38
Arambagh	285207	11	0	34.75
Khanakul-I	254434	15	0	36.14
Khanakul-II	184734	15	0	43.93
Pursurah	173437	17	0	35.88

Source: Census of India, 2011

2. Calculate Alpha, Beta, Gamma, and Shymbel index from the given road network and interpret. (Map 2) 8
3. Create a folder on Desktop mentioning your Roll Number. Digitize the marked urban features with creating of an *attribute table* and prepare an *Urban Landuse Map Layout* from EXAM24URBAN.rvc given in 'SPLURBAN' folder and save the result. 8
4. Enumerate the methodology followed in conducting urban transport survey of Kalimpong city. Tabulate observed land-use classes, sub-classes, and geometry during ground truth verification. 4+4=8
5. Laboratory Note Book and Viva-voce 4+4=8

DEPARTMENT OF GEOGRAPHY
VIDYA-BHAVANA
VISVA-BHARATI

M.A. Examination, 2024

M.A Semester-IV

Paper- XXIII (Practical): Geoinformatics, Regional Planning & Rural development

Full Marks: 40

Time: 4 hours

Attempt all questions

1. Create a folder on Desktop mentioning your Roll Number. Prepare a *vegetation map* applying *NDVI method* and display it over satellite image (Q1NDVI.rvc) given in 'EXAM2024' folder and save the result. 8

2. Digitize the given map (Q2Digitize.rvc) available in the 'EXAM 2024' folder. In addition, create an *Attribute Table* and prepare a *Map Layout* and also save the result. 8

3. Plot the data of labour force of the three sectors of the economy on a Ternary Diagram and interpret the levels of development. 8

Sl No.	Name of the country	% of workforce in agriculture	% of industrial force	% of tertiary workforce
2	Bhutan	56	10	34
3	Pakistan	37	25	38
4	Myanmar	69	4	27
5	Japan	4	24	72
6	Iraq	19	22	59
7	Russia	6	27	67
8	Poland	10	33	57
9	Egypt	21	27	52
10	Ethiopia	34	24	42
11	Mexico	13	25	62
12	Canada	2	19	79
13	Costa Rica	16	20	64
15	Bolivia	31	19	50

4. Compute Rurban Index from the table given below and interpret the result. 6+2=8

Sl No	Village	Total population	Total Main workers	Total Tertiary Workers
1	A	1607	520	127
2	B	2048	792	135
3	C	2043	697	241
4	D	1635	754	287
5	E	6215	2213	298
6	F	2108	868	135
7	G	1372	455	142
8	H	2361	948	126
9	I	1729	654	95
10	J	1837	755	78

5. Laboratory Note Book and Viva-voce 4+4=8