

**Geography**

**[P.G.]**

**M.Sc. Fourth Semester End Examination-2024**

**(Regular & Supplementary Paper)**

**PAPER-401**

*Full Marks: 40*

*Time: 02 Hrs*

*The figures in the right hand margin indicate full marks*

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

*Illustrate the answers wherever necessary*

***[Use separate answer script for each unit]***

**Unit – 37**

**[Regional Development & Planning]**

**F.M-20**

**Group – A**

***Answer any one question:***

**1x8= 8**

1. What is planning region? Describe the economic regionalization of India? **2+6=8**
2. Mention the indicators of development. Elaborate the theory to explain the polarized development of a region. **2+6=8**

(2)

**Group – B**

*Answer any two questions:* **2x4= 8**

3. State the hierarchy of regions with suitable examples.
4. Discuss about the delineation methods of formal region. 4
5. Explain the role of NITI Aayog in plan implementation in India. 4
6. Explain how underdeveloped region are dependent on developed regions for their development. 4

**Group – C**

*Answer any two questions:* **2x2= 4**

7. What is PURA?
8. What is Smart City?
9. What are threshold and range? 2
10. What are the objectives of regional planning? 2

**Unit – 38**

**[Landscape Ecology & Planning]**

**F.M. - 20**

**Group - A**

*Answer any one question:* **1x8=8**

1. Explain the relationship between agricultural intensification and landscape modification in India.

(3)

2. Critically explain the role of GIS in landscape management and planning.

**Group- B**

*Answer any two questions:* **2X4= 8**

3. Explain the role of Traditional ecological knowledge (TEK) in conserving landscape.
4. Discuss how deforestation and development affect landscape dynamics citing examples from India.
5. Elucidate the role of keystone species in landscape management and planning.
6. Explain effects of landscape pattern on ecosystem processes.

**Group- C**

*Answer any two questions:* **2X2 =4**

7. What is landscape ecology?
  8. Define sustainable landscape.
  9. What are the characteristics of a fragmented habitat?
  10. Distinguish between patch and corridor.
- 
-