2024
SRCMUJ
4th Semester Examination
M.Sc.
Geography
GEO-495
Regional Planning & Urban Geography
(Practical Special Paper)

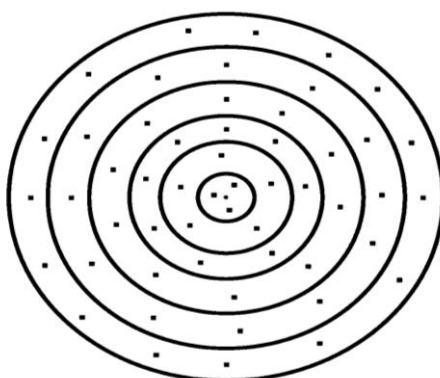**Full Marks: 40**   **Time: 4 Hours**

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

1. **Answer all the following questions:**   **10x3**

a) A spatial pattern of settlement at 'M' city has been given on a map. The city has been expanded radially by six zones from the core. Each zone has a 2 km distance from the core. Find out the density and Draw a spatial gradient graph of settlement in the city of 'M' with the help of a suitable statistical method.   6+4

b) Delineate the urban sphere of influence of a major city from SOI toposheet (map will be supplied) using the breaking point analysis method. What is the proximal boundary method?   8+2

c) Find the expected population using the logarithmic method of the rank-size rule and interpret the result.   8+2

Towns	Population	Towns	Population
Egra	30148	Contai	92226
Kolaghat	25191	Panskura	57932
Tamluk	65306	Shantipur	9746
Haldia	200827	Mihitikri	6906
Benudia	6797	Amalhara	14261

2. **Practical note book.**   **5**
3. **Viva-voce.**   **5**