Total page: 01

PG CBCS
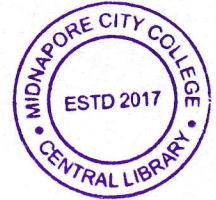**M.A./M.SC. Semester-II Examination, 2022**
DEPARTMENT OF GEOGRAPHY
PAPER: GEO 495
(SPATIAL ANALYSIS AND PROTOTYPE RESEARCH)

Full Marks: 50   **Time: 4 Hours**

The figures in the right-hand margin indicate full marks.

Attempt all the following questions.

WRITE THE ANSWER FOR EACH UNIT IN SEPARATE SHEET

GEO 495.1

SPATIAL ANALYSIS IN GEOGRAPHY

Full Marks: 25

1. Test at 0.05 significance level whether the following settlement distribution pattern is uniform or not. $1 \times 7 = 7$

Grid No.	A	B	C	D	E	F	G	H
No. of Settlement	10	12	09	14	16	11	15	18

2. Calculate the mean direction of first order streams and measure the circulatory ratio based on area and axial length from the following river network. (Map will be provide) $1 \times 7 = 7$

3. Answer the following questions. $2 \times 3 = 6$

a) Write the use of Detour Index.
b) Which indices are used to measures spread of a network?
c) How can you find the diameter of a network?

4. Laboratory Note Book and Viva-Voce.   5

GEO 495.2

RESEARCH EXERCISE IN GEOGRAPHY

Full Marks: 25

1. Field participation and preparation of field report.   10

2. PowerPoint presentation and viva-voce.   15

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