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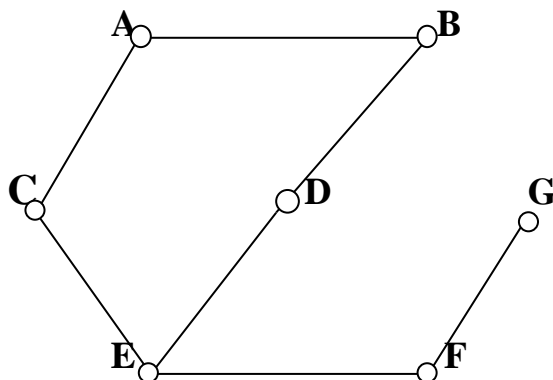
PG (NEW) CBCS
M.A. /M.Sc. Semester-IV Examination, 2020
GEOGRAPHY
PAPER: GEO 496 (PRACTICAL)
(SPATIAL ANALYSIS AND PROTOTYPE RESEARCH)

Full Marks: 40**Time: 4 Hours****Write the answer for each unit in separate sheet****UNIT-I****(GEO 496.1: SPATIAL ANALYSIS IN GEOGRAPHY)****Answer any one question of the following:****20×1=20**

1. For an area measuring 60 sq. km. and 16 settlements are there. If the mean of the distances of each settlement and between their nearest neighbors is calculated to be 1.45 sq. km. find out the pattern of settlement distribution and test its significance. 20
2. With the help of the following table identify the pattern of distribution and test its significance. 20

No. of Points	No. of Quadrants
0	9
1	13
2	7
3	4
4	2
5	1
6	0

3. With the help of the given network identify the most accessible of all nodes. 20



(1)

(P.T.O.)

(2)

4. Identify the pattern of settlement distribution and test its significance.

2	1	3	3
3	2	5	0
1	4	1	4
1	4	4	1

5. Explain the following terms with suitable diagrams –

4×5=20

- i) Non-planner graph
- ii) Diameter
- iii) Edge
- iv) Vertex

6. Apply Poisson distribution model and find out the expected frequency. What are the merits and demerits of Poisson distribution.

15+5=20

No. of points	No. of Quadrates
0	4
1	7
2	11
3	12
4	7
5	3
6	1
7	4
8 or more	1

UNIT-II

(GEO 496.2: RESEARCH EXERCISE IN GEOGRAPHY)

- Send your project file in pdf form.
