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**PG CBCS**  
**M.A. & M.Sc. Semester-I Examination, 2021**  
**GEOGRAPHY**  
**PAPER: GEO 196 (PRACTICAL)**  
**(THEMATIC MAPPING)**

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

The figures in the right-hand margin indicate full marks.  
 Candidates are required to give their answers in their own words as practicable.  
 Illustrate the answers wherever necessary.

**Write the answer for each unit in separate sheet**

**GROUP/UNIT**

**(GEO 196.1: PHYSICAL AND SOCIAL THEMATIC MAPPING)**

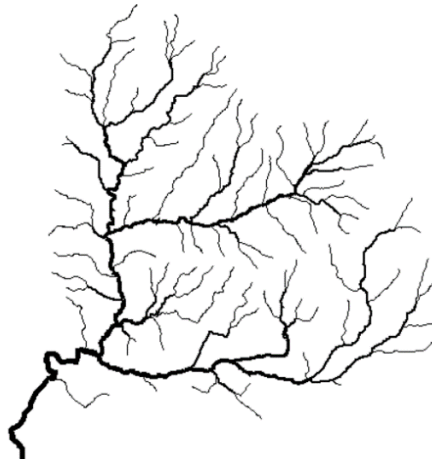
**Full Marks: 25**

1. Calculate and interpret the crop combination of the few selected districts using Weaver's method. 10

District	Rice	Cereals	Wheat	Food Grains
Burdwan	1896	1905	7.7	1907.7
Bankura	984.2	994.5	9.5	994.8
Birbhum	1261.9	1358.5	95.7	1379.7
Puruliya	599.4	618.6	3.7	623.6
Paschim Medinipur	2009.1	2024.8	12.2	2029.7

**Source:** State Statistical Handbook, 2015

2. Calculate and interpret the Bifurcation Ratio of the following river network. 10



(P.T.O.)

(2)

3. Analyse the following table by using a suitable index.

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Country	Probability at birth of not surviving to age 60 (%)	People lacking functional literacy skills (%)	Long-term unemployment (%)	Population below 50% of median income (%)
Sweden	6.7	7.5	1.1	6.5
Australia	7.3	17.0	0.9	12.2
Germany	8.6	14.4	5.8	8.4

**GROUP/UNIT****(GEO 196.2: ENVIRONMENTAL MAPPING)****Full Marks: 25**

1. (a) Write down the estimation procedure of **pH** in soil. 6+4  
 (b) What is the importance of Ecological Micro Zonation Mapping in Environmental Planning?
2. (a) Write down the estimation procedure of **Nitrogen (N)** in soil. 6+4  
 (b) Write down the different types of soil structure with their structural characteristics.
3. (a) Write down the differences between BOD and COD. 2+3  
 (b) Give a short note on Ternary Diagram.

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