Bajkul Milani Mahavidyalaya
(Vidyasagar University)
Department of Geography (UG & PG)
M. A. / M. Sc., 1st Semester
End Term Practical Examination -2020-'21
Subject: Geography
Paper: GEO 196: Thematic Mapping

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

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

Unit: GEO 196.1: Environmental Mapping
Group-'A'

Answer any two questions: **10 x 2=20**

1. Identify the measurable physical and chemical properties of running water. Enlighten the procedure to measure any one of the properties of the above.   2+8
2. Write down the procedure of soil nitrogen assessment and mapping. Write its impacts on plant growth.   7+3
3. Illustrate the formation and layering of an ideal Laterite Soil Profile. Draw a rough sketch of laterite profile.   6+4
4. What is species density? Write the principle and procedure for vegetation density mapping.   2+(2+6)

Group-'B'

Answer any one question: **5 x 1=5**

1. What do you mean by ecological micro-zonation mapping? Mention the variables to measure it.   3+2=5
2. How will you measure the association between soil parameters, vegetation types and density?   5

Unit: GEO 196.2: Physical and Social Thematic Mapping
Group-'A'

Answer any two questions: **10 x 2=20**

1. What do you mean by the morphometric and fluviometric indices to analyze the drainage network of any watershed? Enlighten the principle and significance of any four morphometric and any four fluviometric indices to assess any river basin.   2+8=10
2. Give the concepts and significance of crop combination, copping intensity and crop diversification. Write the steps of a specific method to determine the crop diversification.   5+5=10
3. Define HDI and GDI. Describe the procedure of HDI mapping to assess the social wellbeing?   4+6=10
4. Write the concept and significance of Human Poverty Index? Write the principles to estimate HPI-I and HPI-II for developed and developing countries.   4+6=10

Group-'B'

Answer any one question: **5 x 1=5**

5. What is GEM? What are the parameters to measure it?   2+3=5
6. What is ethnic mapping? Enlighten different types/ techniques of ethnic mapping.   2+3=5