

M.Sc., Semester-III Examination, 2018**Subject: Geography****Paper: GEO-196 (Practical)****Unit: 196.2 (Physical and Social Thematic Mapping)****Full marks: 25****Date:****10.01.2019 Time: 2 Hours**

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

Attempt all the following questions:

1. (a) Show the nested hierarchical arrangement in the selected drainage basin from the given map (Map No. 1) and interpret it.
1. (b) Identify the different order of stream after Strahler (1957) from the given map (Map No. 1) and calculate the bifurcation ratio of the basin. 3+4
2. Analyse the crop-diversification pattern through Gibbs-Martin method with the help of following data.

Name of CD Block	Rice	Jute	Wheat	Potato	Oil Seed	Total Crop Area (Hectares)
Khanakul-I	16202.6	6030	120	7770	2170	32292.6
Khanakul-II	12520	3110	10	2240	3280	21160

3. Calculate the HDI for the given districts of north Bengal (Map No. 2) and prepare a zonation pattern (at least three) to indicate the level of development. 6

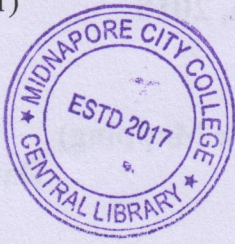
Sl. No.	Districts	Education Index	Health Index	Income Index
1.	Darjeeling	0.72	0.73	0.34
2.	Jalpaiguri	0.59	0.61	0.29
3.	Koochbehar	0.64	0.48	0.22
4.	N. Dinajpur	0.49	0.62	0.15
5.	S. Dinajpur	0.59	0.64	0.24
6.	Maldah	0.48	0.49	0.24

3. Laboratory Note Book and Viva-voce.

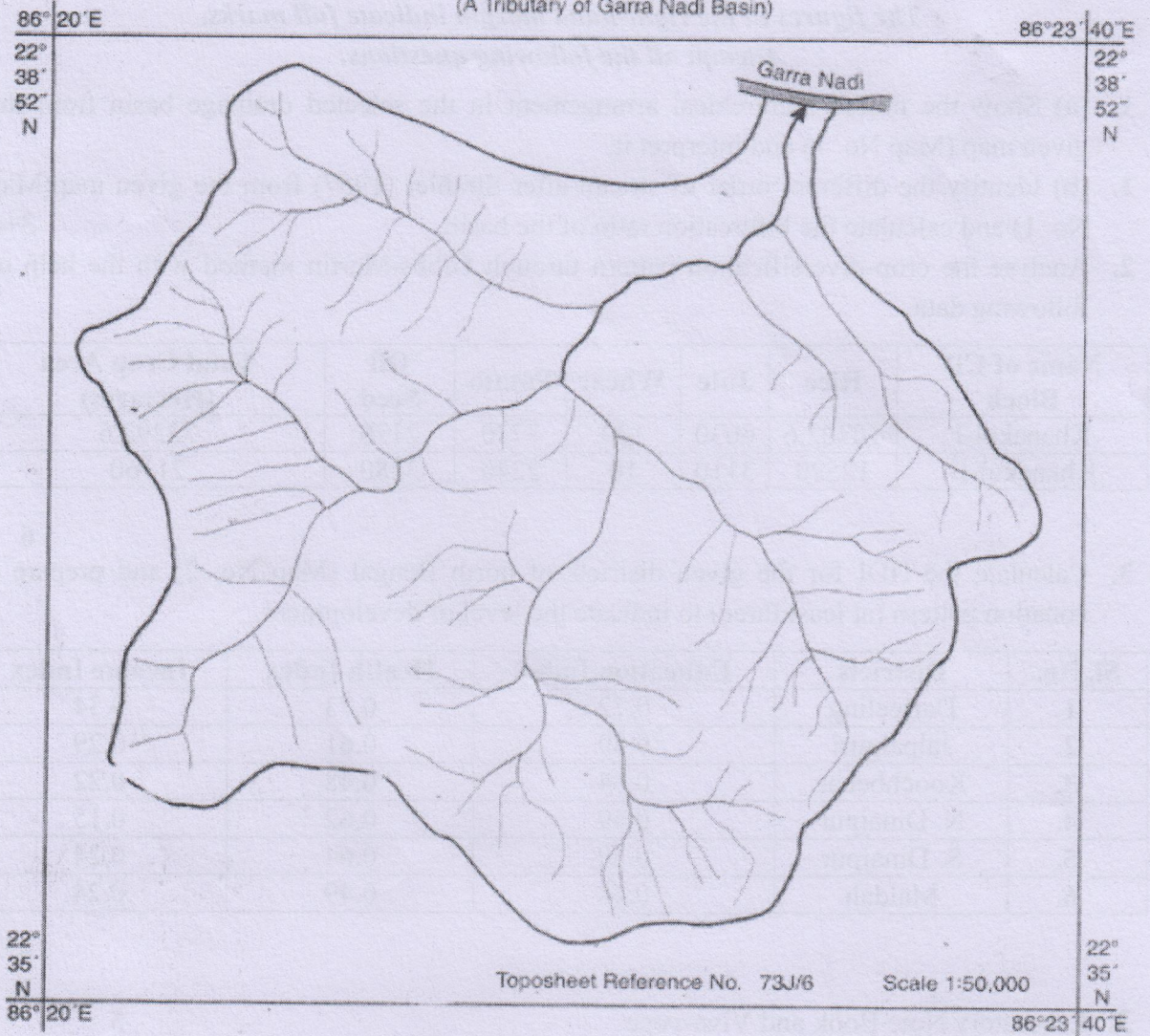
5

7

(Map No. 1)



(A Tributary of Garra Nadi Basin)



(Map No. 2)

