

**NEW**  
**Part-III 3-Tier**  
**2019**

**GEOGRAPHY**

**(Honours)**

**PAPER—VII (Set-1)**

**(PRACTICAL)**

*Full Marks : 100*

*Time : 6 Hours*

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

*Candidates are required to give their answers in their own words as far as practicable.*

*Answer all the questions.*

1. (a) Find out the map scale of the following topographical sheet. 4

(i) 76

(ii) 76 J

(iii)  $76 \frac{J}{NE}$

(iv)  $76 \frac{J}{15}$

- (b) Prepare a broad physiographic division map of the region shown in the topographical sheet and broadly discuss the Physiographic Characteristics of the region. 12

*(Turn Over)*

- (c) Draw a representative profile of suitable length to show the 'break of slopes' and major relief features of the regions shown in the given topographical sheet. (Supplied by the Examiners). 4
2. (a) Prepare a average slope map (Wentworth's method) of an area of 5 km × 5 km gride frame work with 1 km × 1 km . Cell size of the given topographical map (selected by Examiners) and interpret it. 10
- (b) Explain the relationship between physical and cultural elements from the given topographical sheet. Draw the suitable sketches and diagrams to illustrate your answer. 10
3. (a) Draw proportional pie-diagram from the data given below and compare it.

Name of the district	Total area in (hec)'000	Cropped area	Fallow land	Forested area	Pasture land
Darjeeling	325.48	143.00	33.79	124.58	24.11
Jalpaiguri	622.70	337.46	76.44	179.00	29.80

10

- (b) Prepare a spread sheet in MS Excel to enter the following data and draw suitable cartogram with proper labelling. (Print out of the work to be attached with answer script).

Year	1901	1911	1921	1931	1941
Decadal growth of Population	23.84	25.21	25.13	27.90	31.87

5

4. (a) Interpret the given Indian Daily Weather Report map under the following heads.

(i) pressure condition

(ii) wind condition

(iii) Identify the season mentioning the basis.

5+7+3

(b) Attempt any *one* question (selected by lottery).

(i) Take the readings from dry bulb and wet bulb thermometer and record them in proper table calculate the relative humidity of air with the help of humidity chart. 5

Or,

(ii) Take the readings of mercury height with great precision from relevant weather instrument and record it in a proper table. Calculate the atmospheric pressure in  $\text{mb}$  with necessary temperature correction. 5

5. (a) Prepare a survey schedule for collecting data on any social problem of your locality (atleast 10 questions addressing the problem). 5

(b) Attempt any *one* question (selection by lottery):

(i) Estimate pH of the given soil sample using the soil kit. "pH4 is more acidic than pH6"—Explain it. 7+3

Or

(ii) Classify texture of the given soil sample under four classes (three sieves). Prepare a table to show distribution of texture. 6+4

6. Practical Note Book and Viva-Voce. 5+5