2019

B. Sc.

1st Semester Examination

GEOGRAPHY (Honours)

Paper : C 2-P

(Practical)

Set-I

Full Marks : 20   Time : 3 Hours

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

The figures in the margin indicate full marks.

Answer *All* questions.

(Carographic Techniques Lab)

1. Draw a vernier Scale to read 180°26′ when 14 main Scale divisions coincide with 15 Vermier Scale Divisions The main Scale is divided into ½ of a degree.   5

[Turn Over]

2. Identify a drainage basin which is not more than 5km. × 5 km. (to be identified by examiner). Divide it into different slope zoues using Wentworth's method and interpret it.   6 + 1

3. Draw graticular of Polar zenithal stereographic projection for North pole up to 45°N latitude at 15° interval with a scale 1 : 80,000,000.   8

4. Laboratory Note Book and Viva-voce.   2+3

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The figures in the margin indicate full marks.

Answer *all* questions.

1. The area of a large water body on the original and that of the reproduced map with RF 1 : 64000 is measured as 2·56 sq cm and 4·00 sq cm respectively. What is the scale of original Map? Draw the diagonal scale based on that RF. taking the proiper PD, SD and TD.   2+5

[Turn Over]

2. Draw the graticules of cylindrical projection extending between 40° N to 40°S and 20°W to 30°E at 10° interval on a scale 1 : 60,000,000   7

3. Estimate/Enumerate the stream orders (after strahler's Method) from the selected river basin of the supplied Topographical map (to be selectd in the examination centre).   6

4. Practical Note Book and viva-voce   2 + 3 = 5

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Answer all questions.

Cartographic Techniques Lab

1. Construct a vernier scale to read 20°33′ when the value of one small main scale division is $\frac{1°}{10}$ and 9 main small division is equal to 10 vernier scale.   5

2. Draw graticules of Simple Conical Projection with

[Turn Over]

two standard parallel extending between 20°N to 80°N latitude and 60°W to 60°E longitude at an interval of 10° apart on a R·F . 1 : 125, 000,000 where 40°N and 60° latitudes are considered as standard parallels. 10

3. Draw a transect chart showing the relationship between Physical (Relief and drainage) and cultural (Settlement and communication) features of the given area marked on the supplied toposheet (examiner(s) will mark the area on the selected toposheet) and interprete the same. 5

4. Practical Note Book and Viva-voce. 2 + 3