 B.Sc.-CBCS/IS/GEOG/H/C2P /17
(Pr.) (Set-1)

2017

GEOGRAPHY

(*Cartographic Techniques-Lab*)

[Honours]

(CBCS)

(Practical)

PAPER – C2P

Full Marks : 20

Time : 2 hours

Answer any **one** between **Q. Nos. 1 & 2**

The figures in the right-hand margin indicate marks

[SET-1]

1. Draw graticules on Bonne's Projection with latitudes extending from $10^{\circ}S$ to $50^{\circ}S$ and longitude extending from $90^{\circ}E$ to $170^{\circ}E$. Scale is 1 : 100,000,000 and interval is 10°. 15

Or

2. (*a*) Identify a drainage basin not more 5 km × 5 km (to be indentified by examiner) and divide it into different slope zones using went worths method and interpret it. 8 + 2

   (*b*) Establish the relationship between relief and settlement from selected grid of supplied topographical map using transect chart and interpret it. 5

3. Laboratory Note Book and Viva-Voce. 2 + 3

2017

GEOGRAPHY

(*Cartographic Techniques Lab*)

[Honours]

(CBCS)

(Practical)

PAPER – C2P

Full Marks : 20

Time : 2 hours

Answer any **one** between **Q. Nos. 1 & 2**

The figures in the right-hand margin indicate marks

[SET-2]

1. Draw a vernier scale to read $16^{\circ}43'$ where 29 main scale divisions coincide with 30 vernier scale divisions and the least count of the main scale is $30'$. 15

Or

2. Draw superimposed, projected and composite profiles based on five serial sections drawn on $5' \times 5'$ grid to be selected by examiners from the given topographical map of plateau region of India. Identify the different topographic features of the given region. 12 + 3

3. Practical Note Book and Viva-Voce. 2 + 3

 B.Sc.-CBCS/IS/GEOG/H/C2P /17
(Pr.) (Set-3)

2017

GEOGRAPHY

[Honours]

(CBCS)

(Practical)

PAPER – C2P

Full Marks : 20

Time : 2 hours

Answer any **one** between **Q. Nos. 1 & 2**

The figures in the right-hand margin indicate marks

[SET-3]

1. (*a*) Calculate the R.F. of the global when 10° are distance represents 1·74532 cm length on the equator.

(*b*) Draw a diagonal scale to show 4 miles 6 furlongs 80 yards, when the R.F is 1 : 80,000.

(*c*) Define vernier constant. 5 + 8 + 2

2. (*a*) Prepare a drainage map, with order of the streams following Strahler's method for a drainage basin (to be demarkceted by the examiners) from the given topographical sheet.

(*b*) Compute bifunction ratios from the map prepared for the **Q. No. 2 (*a*)**.

(*c*) Interprete the results. 5 + 5 + 5

3. Laboratory Note Book and Viva-Voce. 2 + 3

2017

GEOGRAPHY

(*Cartographic Techniques Lab*)

[Honours]

(CBCS)

(Practical)

PAPER – C2P

Full Marks : 20

Time : 2 hours

Answer any **one** between **Q. Nos. 1 & 2**

The figures in the right-hand margin indicate marks

[SET–4]

1. (*a*) The area of a lake on the original map and that on a reproduced map with R.F 1 : 64,000 is measured as 2·56 sq cm and 4 sq cm, respectively. What is the scale of the original map ? 5

(*b*) Draw a Diagonal scale to read 3·36 miles with the original map scale. 8

(*c*) The statement scale of a map is 1 inch to 1·58 miles. Find out the R.F of the given map. 2

2. (*a*) Draw graticules on Bonne's projection at an interval of 15° on a scale of 1 : 70,000,000 for an area extending from 15 °N to 75 °N and 20 °W to 30 °E. 10

(*b*) Mention the order of the streams, according to Strahler, marked by the examiner on the given topographical map. 5

3. Laboratory Note Book and Viva-Voce. 2 + 3

2017

GEOGRAPHY

[Honours]

(CBCS)

(Practical)

PAPER – C2P

Full Marks : 20

Time : 2 hours

Answer any **one** between **Q. Nos. 1 & 2**

The figures in the right-hand margin indicate marks

[SET-5]

1. (*a*) Draw a vernier scale to read 60°52′, given least count of the main scale is 20′ and 19 small scale divisions are equal to 20 small vernier scale divisions.

(*b*) If the topographical sheet bearing no. $73\frac{1}{10}$ is reduced $\frac{1}{9}$th of its original size, calculate the R.F. of the reduced map. 12 + 3

Or

2. Draw the graticules of Cylindrical Equal Erea Projection for the map of Africa extending from 40°N to 40°S latitudes and 20°W to 60°E meridians at an interval of 10° on a scale of 1 : 1, 14,000,000.
How to determine Tangential and Radial scale factors ? 15

3. Laboratory Note Book and Viva-Voce. 5

 B.Sc.-CBCS/IS/GEOG/H/C2P /17
(Pr.) (Set-6)

2017

GEOGRAPHY

(*Cartographic Techniques Lab*)

[Honours]

(CBCS)

(Practical)

PAPER – C2P

Full Marks : 20

Time : 2 hours

Answer any **one** between **Q. Nos. 1 & 2**

The figures in the right-hand margin indicate marks

[SET-6]

1. (*a*) An area of 16 sq. inch on a map represented by 116 sq. mile on the ground. Calculate the R.F.

(*b*) Draw a comparative linear scale to show 9000 km and 9000 mile on Primary Division and 3000 km and 3000 mile on Secondary Division when the R.F. is 1 : 650,000,000. 2 + 13

Or

2. (*a*) Draw the graticules on Bonne's Projection for the extension 20°S to 60°S and 160°E to 220°E at 10° interval on a scale 1 : 55,000,000.

(*b*) Find distance of the latitude 30°N from the equator on the cylinderical equal area projection drawn on the scale $1 : 1 \times 10^8$. 12 + 3

3. Laboratory Note Book and Viva-Voce. 2 + 3