Higher Secondary Examination March- 2019

Geography Practical

I   On the spot - Answer any four   (4x2=8)

1. Mention the direction of the given object with reference to your position using magnetic compass.

2. Orient the stereopair in order to get the 3D vision through stereoscope.

3. Identify the Latitude and Longitude of the place with the help of atlas,wallmaps or globe

4. Read temperature /pressure/humidity/rainfall/wind direction and wind speed using suitable instrument.   (Any two)

5. Identify the weather condition from the given weather map of India

6. Find the length of the river or road using thread /rotometer

7. Categorise the computer hardware parts as input,output and storage device.

8. Write the major physical/ cultural features of the given toposheet

9. Identify the format in to Vector entities ,Raster entities and Real entities

10. Identify the displayed weather instruments and their uses

11. Identify the given places from the globe

12. Identify the major features of the given satellite imagery based on colour signatures

13. Write marginal information of the given toposheet

14. Identify various methods of scale represented in the given map

15. Findout the precise location of the given object using GPS

II Drawing - Answer any four (Give any six) (4x3=12)

1. Draw the graticule for the Cylindrical Equal Area projection/Conical Projection with one standard parallel / Mercator's projection (Any one)

2. Draw a Windrose / Star diagram with the given data

3. Draw a Choropleth/Isopleth/Dotmap with the given data(out line map will be provided)

4. Prepare a weather chart by using the following data (outline map of India will be provided)
   a. Clearsky over Rajasthan/Delhi
   b. A high pressure system with1020mb over MP&UP
   c. Very rough sea condition near Telungana & Orissa coast
   d. Thunder storm over Kerala & Karnataka Coastal plain

5. Draw contour cross section and profile for the following landforms (Any three)
   a. 'V' shaped valley   b. Plateau   c. Hill   d.Waterfall
   e. Cliff   f.Spur   g. Concave Slope   h.Gorge   i. Convex slope
   j.'U' shaped valley

6. Prepare a layout plan using the given data by choosing an appropriate scale
   a. An area with 2000 m length &2000 m Width
   b. A perennial river flows north to south west direction
   c. Paddy fields spread over north north east direction
   d. A metalled road running south east to northwest direction with bridge at river crossing
   e. Clusterd settlement found in the southern parts with church, mosque,temple ,post office &police station
   f. A perennial canal flows through the paddy field from the river

7. Draw a graphical scale of metres &kilometres/ furlongs and miles (Any one)

8. Construct a multiple bar diagram/compound bar diagram /Pie diagram for the given data (any one)

9. Prepare a traffic flow Or water flow diagram with the given data.

III Calculation - Answer any four (Give any six)   (4x2 =8)

1. Calculate the Local time for the following places when GMT is 10 pm on 20th January 2019

   a. 95^0 E   b. 140^0 E   c. 75^0 W   d. 45^0 W

2. Convert the given scale as directed (one each from a&b)

a. Statement to RF

   i. 1 inch represent 2 miles

   ii. 2 cm represent 2 km

   iii . 2 inch 1 mile

   iV. 1 cm represent 1 mile

b. RF to Statement

   i. 1: 200000

   ii. 1: 253440

   iii . 1: 400000

   iV . 1: 126720

3. Calculate Mean ,Median ,&mode /Range , Quartile deviation for the following data

4. Calculate the actual road distance between the given places from the toposheet provided

5. Calculate the average temperature of place from the given data

6. Calculate the distance between 8^0 North & 37^0 North

7 Calculate the distance between 25^0 South & 57^0 South

8. Calculate the Spearmans rank correlation with the help of following data.

9. Calculate the average temperature of place from the given data

IV Computer aided - Answer any one   (1x4 =4)

1. Calculate the mean using statistical function

2. Prepare a suitable statistical diagram for the given data by computer

3. Draw Frequency polygon/ ogives   for the given data using computers

Field survey report	2
Viva-voce	2
Practical record	4
Total	40