

Q.1) Mention the colour of the following features as used in a topo sheet :- (3)

- a) Forested area
- b) Uncultivable land
- c) Contour lines

Q.2) Mention the colours of the following features as used in a physical map :- (3)

- a) Inland and coastal plains
- b) Mountains
- c) Snow covered regions

Q.3) Name the following :- [10]

- a) The gas which absorbs most of the ultraviolet rays of the sun.
- b) Imaginary lines joining places that have the same temperature at a particular time.
- c) The most important and busiest river in Europe.
- d) The mountain that houses an extinct volcano and is the highest peak in Africa.
- e) A mountain that resembles dragon's teeth.
- f) A country that is a part of the Baltic States.
- g) Another name for the low-land countries of Europe.
- h) An instrument used for measuring air pressure.
- i) An important gas needed by plants to make their food.
- j) The type of scale where the map distance is shown through a straight line divided into lengths that represent the proportional distance on the ground.

Q.4) Give geographical reasons :- [10]

- a) Colours play an important role in physical maps.
- b) Oxygen is a very important gas.
- c) Higher temperature conditions occur in the stratosphere.
- d) Mercury is chosen as an ideal liquid for thermometer.
- e) Wind-vanes are always placed in the open. (Any 1 reason)
- f) The North European plains have excellent soil for agriculture.
- g) Caspian Sea is also considered a lake.
- h) River Zaire is considered to be an extremely important African river.
- i) Troposphere's extent over the Equator is more.
- j) North Western European highlands have reduced in height over time.

Q.5) State whether the following statements are true or false. If false, then correct the underlined part of the statements: [10]

- a) A topographic map, gives small scale details and quantitative representation of relief.
- b) Melting of glaciers is considered to be one of the effects of global warming.
- c) The annual range of temperature, is the average of mean monthly temperature.
- d) Humidity is measured with wet and dry bulb thermometer and hygrometer.
- e) Mount Etna is a volcanic mountain.
- f) The source of River White Nile is Lake Tana.
- g) Africa is the second largest continent in the world.
- h) River Orange is situated in the southern part of Africa.
- i) Methane is a potent greenhouse gas.

j) A thematic map contains information about particular topics like: mountains, valleys, plains, etc.

- Q.6) Define the following terms: [6]
a) Contour line. (2)
b) Small scale maps. (2)
c) Radio waves. (2)

- Q.7) Answer the following questions in brief: [10]
a) Compare the natural greenhouse effect to the artificial one. (2)
b) How are clouds formed? (2)
c) State the significance of the European rivers. (3)
d) How does the Kalahari desert become useful for some part of the year. (1)
e) Give two benefits that can be reaped out of river Zaire. (2)

Q.8) Temperature sums :- [8]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
10°c	12°c	18°c	25°c	33°c	35°c	35°c	30°c	25°c	20°c	18°c	20°c

- a) Find the annual range of temperature. (1)
b) Find the mean annual temperature. (2)
c) If the temperature of January is increased by 4°c, what will be the annual range of temperature? (2)
d) What is the difference between maximum and minimum temperature of a day called? (1)
e) If the place gets an annual rainfall of 144cm, then what should be its mean annual rainfall? (2)