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Class 11 Practical Work in Geography Chapter 4 NCERT Textbook Questions Solved

Ch: MAP PROJECTION

1. Choose the right answer from the four alternatives given below:

Question 1(i).

A map projection least suitable for the world map:

- (a) Mercator
- (b) Simple Cylindrical
- (c) Conical
- (d) All the above

Answer:

- (c) Conical

Question 1(ii).

A map projection that is neither the equal area nor the correct shape and even the directions are also incorrect

- (a) Simple Conical
- (b) Polar zenithal
- (c) Mercator
- (d) Cylindrical

Answer:

- (a) Simple Conical

Question 1(iii).

A map projection having correct direction and correct shape but area greatly exaggerated.polewards is:

- (a) Cylindrical Equal Area
- (b) Mercator
- (c) Conical
- (d) All the above

Answer:

- (b) Mercator

Question 1(iv).

When the source of light is placed at the centre of the globe, the resultant projection is called:

- (a) Orthographic
- (b) Stereographic
- (c) Gnomonic
- (d) All the above

Answer:
(c) Gnomonic

2. Answer the following questions in about 30 words:

Question 2(i).

Describe the elements of map projection.

Answer:

- Reduced Earth: A model of the earth is represented by the help of a reduced scale on a flat sheet of paper. This model is called the “reduced earth”.
- Parallels of Latitude: These are the circles running round the globe parallel to the equator and maintaining uniform distance from the poles.
- Meridians of Longitude: These are semi-circles drawn in north-south direction from one pole to the other, and the two opposite meridians make a complete circle, i.e. circumference of the globe.
- Global Property: In preparing a map projection the following basic properties of the global surface are to be preserved by using one or the other methods:
 - Distance between any given points of a region;
 - Shape of the region;
 - Size or area of the region in accuracy;
 - Direction of any one point of the region bearing to another point.

Question 2(ii).

What do you mean by global property?

Answer:

In preparing a map projection the following basic properties of the global surface are to be preserved by using one or the other methods:

1. Distance between any given points of a region;
2. Shape of the region;
3. Size or area of the region in accuracy;
4. Direction of any one point of the region bearing to another point.