



GEOGRAPHY

BOOKS - FULL MARKS GEOGRAPHY (HINGLISH)

MAP PROJECTIONS

Ncert Textbook Questions With Answers

1. A map projection least suitable for the world

map:

A. Mercator

B. Simple Cylindrical

C. Conical

D. All the above

Answer: C



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2. 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



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3. 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



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4. 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



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5. Describe the elements of map projection.



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6. What do you mean by global property?



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7. Not a single map projection represents the globe truly. Why?



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8. How is the area kept equal in cylindrical equal area projection?



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9. Differentiate between : Developable and non - developable surfaces



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10. Differentiate between : Homolographic and orthographic projections.



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11. Differentiate between : Normal and oblique projections.



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12. Differentiate between : Parallels of latitude and meridians of longitude.



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13. Discuss the criteria used for classifying map projection and state the major characteristics of each type of projection.



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14. Which map projection is very useful for navigational purposes? Explain the properties and limitations of this projection.



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15. Discuss the main properties of conical projection with one standard parallel and describe its major limitations.



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Ncert Textbook Questions With Answers Activity

1. Prepare graticule for a Cylindrical Equal Area Projection for the world when R.F. is 1 : 150,000,000 and the interval is 15° apart.



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2. Draw a Mercator Projection for the world map when the R.F. is 1 : 400, 000, 000 and the interval between the latitude and longitude is 20° .



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Additional Questions With Answers | Multiple Choice Questions

1. Who had developed Mercator projection?

A. Mercator Gerardus Karter

B. Lambert

C. Plato

D. Hambolt

Answer: A



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2. Which of the following geographical feature is not there in a map?

A. Area

B. Direction

C. Shape

D. Topography

Answer: D



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3. Which of the following is called equal area projection?

A. Orthomorphic Projection

B. Azimuthal Projection

C. Equidistant projections

D. Homolographic projection

Answer: D



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4. Which projection is obtained by putting the light at the centre of the globe?

- A. Gnomonic Projection
- B. Azimuthal Projection
- C. Equidistant projections
- D. Homolographic projection

Answer: A



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5. In which projection different parts of the earth are shown accurately?

A. Orthomorphic Projection

B. Azimuthal Projection

C. Equidistant projections

D. Homolographic projection

Answer: D



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6. Which of the following projection is not classified on the basis of source of light?

A. Gnomonic Projection

B. Stereographic Projection

C. Equal area projection

D. Orthographic Porjection

Answer: C



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7. Which of the following is not a quality of globe?

A. Accurate shape of a region

B. Accurate area of a place

C. Showing direction of one place from another place

D. Showing light

Answer: D



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8. Which of the following is not a developable surface?

A. Angle

B. Cylindrical

C. Plane

D. Map

Answer: D



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9. Which of the following does not have qualities of developable surface?

A. Conical

B. Cylindrical

C. Plane

D. Globe

Answer: D



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Additional Questions With Answers | Very Short Answer Type Questions

1. What is the shape of meridians and parallels in Mercator projection?



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2. Classify projections on the basis of method of construction.



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3. What do you mean by non-developable surface?



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4. What is Lexodrome or Rhumb line?



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5. What is mathematical or conventional projection?



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6. How can perspective and non-perspective projections be drawn?



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7. What is developable surface?



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8. How can we obtain projection on a plane surface?



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9. What are limitations of Mercator Projection?



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Additional Questions With Answers Iii Short Answer Type Questions

1. How are conical projections drawn?



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2. What is map projection?



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3. What are the qualities and limitations of a globe?



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4. Classify the projections on the basis of method of construction.



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5. Classify projections on the basis of global properties.



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6. Write a short note on developable surface and zenithal projections.



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7. What is the need of map projection?



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Additional Questions With Answers Iv Long Answer Type Questions

1. Explain the qualities of Mercator projection.



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2. Explain properties, limitations and uses of cylindrical equal area projection.



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3. Explain properties of Conical Projection with one Standard Parallel.



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4. Explain the limitations and uses of Conical Projection with one Standard Parallel.



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5. Prepare graticule for a Cylindrical Equal Area Projection for the world when R.F. is 1:300,000,000 and the interval is 15° apart.



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6. Draw a Mercator Projection for the world map when the R.F. is 1:250,000,000 and the interval between the latitude and longitude is 15° .



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Additional Questions With Answers V Viva Questions

1. What is other name for cylindrical equal area projection?



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2. What is Lexodrome or Rhumb Line?



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3. Which map projection is very useful for navigational purposes? Who developed it and on what is it based?



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4. Name different types of projections on the basis of method of construction.

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5. Name some developable surface.

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6. What is mathematical or conventional projection?





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7. What is the need of map projection?



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