

Chapter 1

Locating Places on the Earth

A. Multiple Choice Questions

1. The Equator is:
a) A longitude b) A latitude c) A continent d) A river
2. The Prime Meridian passes through:
a) India b) USA c) Greenwich d) China
3. Latitudes run from:
a) North to South b) East to West c) Diagonally d) Circular
4. Longitudes run from:
a) East to West b) North to South c) Circular d) Random
5. The Earth is divided into how many hemispheres?
a) 2 b) 3 c) 4 d) 5
6. The Equator divides the Earth into:
a) East & West b) North & South c) Land & Water d) Day & Night
7. Longitude is measured in:
a) Degrees b) Meters c) Kilograms d) Litres
8. The Prime Meridian is:
a) 0° latitude b) 0° longitude c) 90° latitude d) 180° longitude
9. Grid system helps to:
a) Draw pictures b) Locate places c) Measure weight d) Tell stories
10. The Tropic of Cancer is located in:
a) Southern Hemisphere b) Northern Hemisphere c) Both d) None
11. Map is a representation of:
a. Earth's surface b. Sky c. Ocean d. Atmosphere
12. Which of the following is not a type of map?
a. Physical b. Political c. Thematic d. Celestial
13. A _____ shows natural features such as mountains, rivers, lakes, oceans, and other permanent geographic features.
a. Physical map b. Political map c. Survey map d. All of these

14. The scale of a map shows:
- Direction
 - Distance
 - Symbols
 - All of these
15. The _____ are North, South, East, and West.
- Intermediate directions
 - Compass rose
 - Cardinal directions
 - Symbols
16. Which one is not an intermediate direction?
- North-east
 - West
 - South-west
 - North
17. The longest circle drawn midway between the two poles.
- Prime Meridian
 - Equator
 - Longitude
 - Latitude
18. The Equator does not pass through which of the following continents:
- South America
 - Africa
 - Europe
 - Asia
19. Through which location does the Prime Meridian pass?
- Greenfield
 - Green shire
 - Greenwich
 - Greenwood
20. What is the time difference between Indian Standard Time and Greenwich Mean Time?
- 5 hours 30 minutes
 - 4 hours 30 minutes
 - 3 hours 30 minutes
 - 6 hours 30 minutes

B. Fill in the Blanks

- The Earth is shaped like a _____.
- The Equator is at _____ degrees latitude.
- Longitudes are also called _____.
- Latitudes are also called _____.
- The Prime Meridian is at _____ degrees longitude.
- The Earth is divided into _____ hemispheres.
- The Tropic of Capricorn lies in the _____ hemisphere.
- The grid is formed by _____ and _____.
- Longitude helps to measure _____ and _____.

10. Latitudes measure distance from the _____.

C. True or False

1. Latitudes run from north to south.
2. The Equator divides Earth into two halves.
3. Longitudes are parallel lines.
4. Prime Meridian is 0° longitude.
5. Grid system helps locate places.
6. Tropic of Cancer lies in Southern Hemisphere.
7. Earth has four hemispheres.
8. Latitudes are also called parallels.
9. Longitudes meet at poles.
10. Equator is the longest latitude.

D. Match the Following

Column A	Column B
Equator	a. 0° longitude
Prime Meridian	b. 0° latitude
Latitudes	c. Run east-west
Longitudes	d. Run north-south
Tropic of Cancer	e. Northern Hemisphere
Tropic of Capricorn	f. Southern Hemisphere
Grid	g. Locate places
Parallels	h. Latitudes
Meridians	i. Longitudes
Poles	j. Ends of Earth

E. Short Answer (2 lines)

1. What are latitudes?
2. What are longitudes?

3. **What is the Equator?**
4. **What is Prime Meridian?**
5. **What is a grid?**
6. **What are hemispheres?**
7. **Why are latitudes important?**
8. **Why are longitudes important?**
9. **What is Tropic of Cancer?**
10. **What is Tropic of Capricorn?**

F. Give Reason

1. **Why do we need latitudes and longitudes?**
2. **Why do longitudes meet at poles?**
3. **Why is the Equator important?**
4. **Why is Prime Meridian important?**
5. **Why is grid useful?**

G. Answer in Brief (4–5 sentences)

1. **Explain latitudes.**
2. **Explain longitudes.**
3. **What is the importance of grid system?**
4. **Describe hemispheres of Earth.**
5. **Explain important lines of latitude.**

H. One Word Answer

1. **0° latitude** → _____
2. **0° longitude** → _____
3. **Horizontal lines** → _____

4. **Vertical lines** → _____
 5. **Northern + Southern division** → _____
 6. **Eastern + Western division** → _____
 7. **23½° N** → _____
 8. **23½° S** → _____
 9. **Map grid** → _____
 10. **Ends of Earth** → _____
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ANSWER KEY**MCQ:**

1-b, 2-c, 3-b, 4-b, 5-c, 6-b, 7-a, 8-b, 9-b, 10-b

Fill in the blanks:

1. sphere
2. 0
3. meridians
4. parallels
5. 0
6. four
7. southern
8. latitudes, longitudes
9. east, west
10. Equator

True/False

1-F, 2-T, 3-F, 4-T, 5-T, 6-F, 7-T, 8-T, 9-T, 10-T

Match

1-b, 2-a, 3-c, 4-d, 5-e, 6-f, 7-g, 8-h, 9-i, 10-j

E. Short Answer (2 lines)**1. What are latitudes?**

Latitudes are imaginary lines drawn parallel to the Equator from east to west. They help measure the distance north or south of the Equator.

2. What are longitudes?

Longitudes are imaginary lines drawn from the North Pole to the South Pole. They help measure the distance east or west of the Prime Meridian.

3. What is the Equator?

The Equator is the longest latitude at 0° .
It divides the Earth into Northern and Southern Hemispheres.

4. What is Prime Meridian?

The Prime Meridian is the 0° longitude.
It divides the Earth into Eastern and Western Hemispheres.

5. What is a grid?

A grid is a network formed by intersecting latitudes and longitudes.
It helps locate places accurately on the Earth.

6. What are hemispheres?

Hemispheres are the two halves of the Earth.
They are formed by the Equator and the Prime Meridian.

7. Why are latitudes important?

Latitudes help in locating places on Earth.
They also help in understanding climate zones.

8. Why are longitudes important?

Longitudes help locate places east or west.
They are also used to calculate time differences.

9. What is Tropic of Cancer?

It is an important latitude at $23\frac{1}{2}^\circ$ North.
It lies in the Northern Hemisphere.

10. What is Tropic of Capricorn?

It is an important latitude at $23\frac{1}{2}^{\circ}$ South.

It lies in the Southern Hemisphere.

F. Give Reason

1. Why do we need latitudes and longitudes?

Latitudes and longitudes help us locate the exact position of places on Earth. Without them, it would be difficult to find locations accurately. They form a grid system that makes map reading easy. They are also useful for navigation.

2. Why do longitudes meet at poles?

Longitudes are drawn from the North Pole to the South Pole. Since they start and end at the poles, they meet there. This is because the Earth is round in shape. Hence, all longitudes converge at the poles.

3. Why is the Equator important?

The Equator is important because it divides the Earth into two equal halves. It is the reference line for measuring latitudes. It also affects climate as regions near it are hotter. It plays a key role in locating places.

4. Why is Prime Meridian important?

The Prime Meridian is the starting point for measuring longitudes. It divides the Earth into Eastern and Western Hemispheres. It is also used to calculate time (GMT). It helps in locating places accurately.

5. Why is grid useful?

The grid system helps locate places precisely using coordinates. It makes map reading easier and more accurate. It is useful for travelers and navigators. It helps in identifying exact positions on Earth.

G. Answer in Brief (4–5 sentences)

1. Explain latitudes.

Latitudes are imaginary lines drawn parallel to the Equator. They run from east to west around the Earth. The Equator is the most important latitude at 0° . Latitudes help measure the distance of a place north or south. They also divide the Earth into different climate zones.

2. Explain longitudes.

Longitudes are imaginary lines that run from the North Pole to the South Pole. They are also called meridians. The Prime Meridian is the main longitude at 0° . Longitudes help measure distance east or west. They are important for calculating time across the world.

3. What is the importance of grid system?

The grid system is formed by latitudes and longitudes. It helps in locating places accurately on Earth. Each place has a unique set of coordinates. This system is very useful for navigation and map reading. It makes studying geography easier and more precise.

4. Describe hemispheres of Earth.

The Earth is divided into four hemispheres. The Equator divides it into Northern and Southern Hemispheres. The Prime Meridian divides it into Eastern and Western Hemispheres. Each hemisphere has different climates and features. This division helps in better understanding of the Earth.

5. Explain important lines of latitude.

Important lines of latitude include the Equator, Tropic of Cancer, Tropic of Capricorn, Arctic Circle, and Antarctic Circle. These lines help divide the Earth into different zones. The Equator is at 0° , while the Tropics are at $23\frac{1}{2}^\circ$. The Arctic and Antarctic Circles mark cold regions. These lines are important for studying climate and location.

One Word

1. Equator

2. Prime Meridian
3. Latitudes
4. Longitudes
5. Hemisphere
6. Hemisphere
7. Tropic of Cancer
8. Tropic of Capricorn
9. Grid
10. Poles

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