

Let us Use the Graticule

EXERCISE [PAGES 14 - 15]

Exercise | Q (A)(1) | Page 14

Choose the correct option.

66° 30' North parallel means

1. Arctic Circle
2. Equator
3. Antarctic Circle

Solutions : Arctic Circle

Exercise | Q (A)(2) | Page 14

Choose the correct option.

Which parallel bisects the earth?

1. Tropic of Cancer
2. Tropic of Capricorn
3. Equator

Solutions : Equator

Exercise | Q (A)(3) | Page 14

Choose the correct option.

What is the angular distance of the Arctic Circle from North Pole?

1. 66° 30'
2. 90°
3. 23° 30'

Solutions : 66° 30'

Exercise | Q (A)(4) | Page 14

Choose the correct option.

Where do the Prime Meridian and the equator intersect each other?

1. Southern Ocean
2. Atlantic Ocean

3. African Continent

Solutions : Atlantic Ocean

Exercise | Q (A)(5) | Page 14

Choose the correct option.

Up to which parallels from the equator can the sun's rays be perpendicular?

1. Tropic of Cancer and Tropic of Capricorn
2. Arctic and Antarctic Circles
3. North and South Poles

Solutions : Tropic of Cancer and Tropic of Capricorn

Exercise | Q (A)(6) | Page 14

Choose the correct option.

What would be the latitude of a place on the South Pole?

1. 90° S
2. 90° N
3. 0°

Solutions : 90° S

Exercise | Q (B)(1) | Page 14

Read the following statement and correct the wrong one.

While describing the location of a place mentioning the meridian is sufficient.

1. Right
2. Wrong

Solutions : While describing the location of a place mentioning the meridian is sufficient. - **Wrong**

correct statement - While describing the location of a place, both parallel, as well as meridian, must be mentioned.

Exercise | Q (B)(2) | Page 14

Read the following statement and correct the wrong one.

For describing the extent of a region, it is necessary to assume the latitude and longitude of the centre of the adjoining region.

1. Right
2. Wrong

Solutions : For describing the extent of a region, it is necessary to assume the latitude and longitude of the centre of the adjoining region. - **Wrong.**

correct statement - For describing the extent of a region, two parallels of latitude and two meridians of longitude at the extreme ends of the same region should be considered.

Exercise | Q (B)(3) | Page 14

Read the following statement and correct the wrong one.

Location of a road can be described only with a map.

1. Right
2. Wrong

Solutions : Location of a road can be described only with a map. - **Wrong**

correct statement - Location of a road can be described with help of a map and also by the latitude and longitude of its terminal points.

Exercise | Q (B)(4) | Page 14

Read the following statement and correct the wrong one.

0° East meridian and 180° East meridian

1. Right
2. Wrong

Solutions : 0° East meridian and 180° East meridian - **Wrong**

correct statement - 0° meridian and 180° meridian.

Exercise | Q (B)(5) | Page 14

Read the following statement and correct the wrong one.

The extent of a road or a river course is described with the help of the latitude of a point in the source and the longitude of a point at the end.

1. Right
2. Wrong

Solutions : The extent of a road or a river course is described with the help of the latitude of a point in the source and the longitude of a point at the end. - **Wrong**

correct statement - The extent of a road or a river course is described with the help of the latitude and longitude of a point in the source and the latitude and longitude of a point at the end.

Exercise | Q (B)(6) | Page 14

Read the following statement and correct the wrong one.

8° 4' N parallel to 37° 66° N parallel is the correct description of a location.

1. Right
2. Wrong

Solutions : 8° 4' N parallel to 37° 66° N parallel is the correct description of a location.
- Wrong

Correct Statement - 8° 4' N parallel to 37° 66' N parallel is an incomplete description of a location as it only describes the latitudinal spread of the location and not its longitudinal spread.

Exercise | Q (C) | Page 14

Find the locations of following cities from a world map, a map of India, or a Globe and write down the latitude and longitude of each of them.

1. Mumbai
2. Guwahati
3. Srinagar
4. Bhopal
5. Chennai
6. Ottawa
7. Tokyo
8. Johannesburg
9. New York
10. London

Solutions :

		Location	
Sr.No.	City	Parallel of Latitude	Meridian of Longitude
i.	Mumbai	19°4' 33" N	72°52' 40" E
ii.	Guwahati	26°08' 40" N	91°44' 10" E
iii.	Srinagar	34°05' 01" N	74°47' 50" E

iv.	Bhopal	23°15' 35" N	77°24' 45" E
v.	Chennai	13°04' 58" N	80°16' 14" E
vi.	Ottawa	45°25' 17" N	75°41' 50" W
vii.	Tokyo	35°41' 22" N	139°41' 30" E
viii.	Johannesburg	26°12' 15" S	28°02' 50" E
ix.	New York	40°42' 46" N	74°0' 21" W
x.	London	51°30' 26" N	0°07' 40" W

Exercise | Q (D) | Page 15

Find and write down the extent of the following. (Check them on the internet/mobile).

1. Maharashtra (State)
2. Chile (A country)
3. Australia (A continent)
4. Sri Lanka (An island)
5. Trans Siberian Railway of Russia

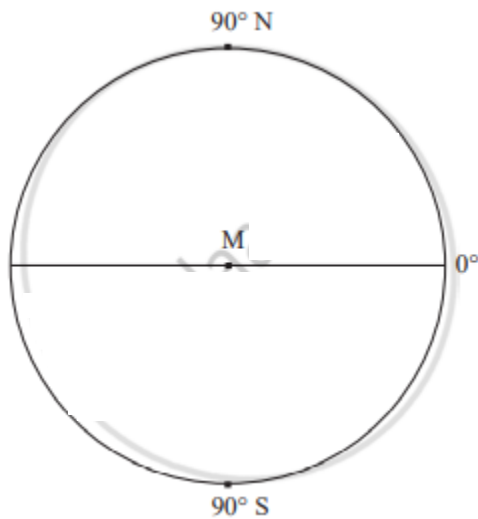
(Starting point - St. Petersburg, Terminal Point -Vladivostok)

Solutions :

		Extent	
Sr. No.	Name of the Region	Latitudinal	Longitudinal
i.	Maharashtra (State)	15°30' N to 22°N	72°E to 80°50' E
ii.	Chile (A country)	16°S to 56°S	70°40' W to 75°W
iii.	Australia (A continent)	10°41' S to 43°38' S	113°09' E to 153°38' E
iv.	Sri Lanka (An island)	6°48' N to 9°50' N	79°40' E to 81°45' E
v.	Trans Siberian Railway of Russia		
	Starting point - St. Petersburg	59°56' 03" N	30°20' 06" E
	Terminal point - Vladivostok	43°10' 25" N	132°0' 23" E

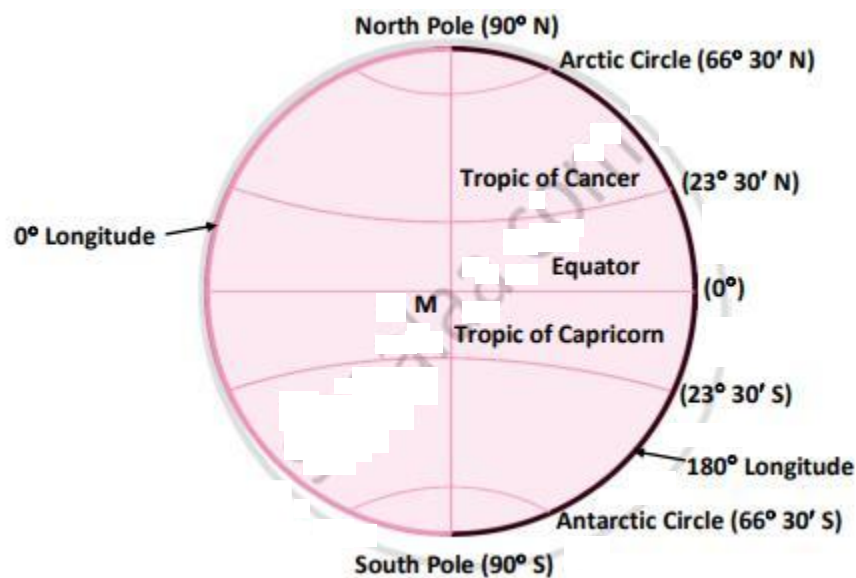
Exercise | Q (E) | Page 15

Draw important parallels and meridians in the figure given below and label them with appropriate angular measures.
(Use the protractor.)



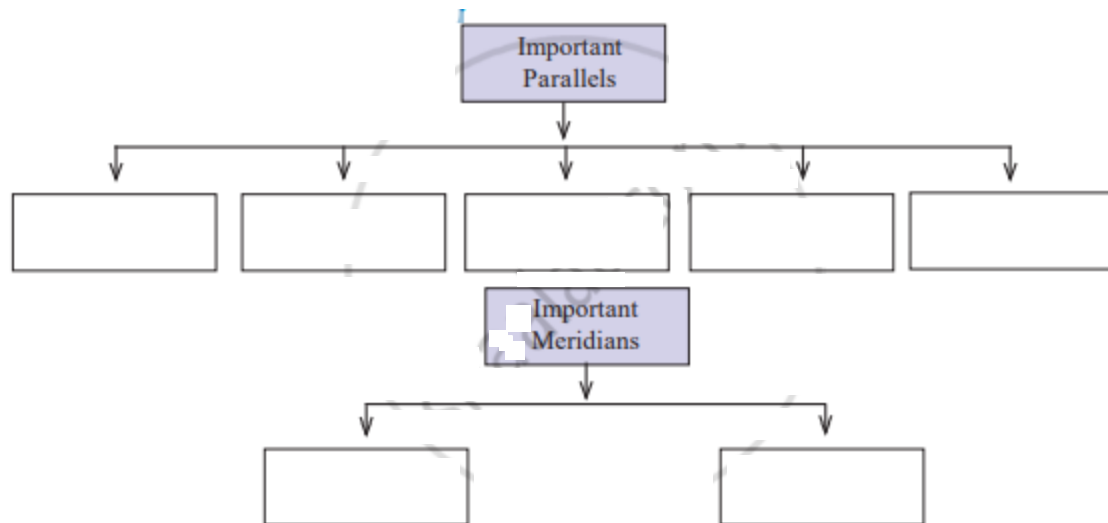
Solutions :

The important parallels and the meridians are shown in the adjacent figure:



Exercise | Q (F) | Page 15

Write the important parallels and meridians in the following table:



Solutions :

