

**Chapter: 7**

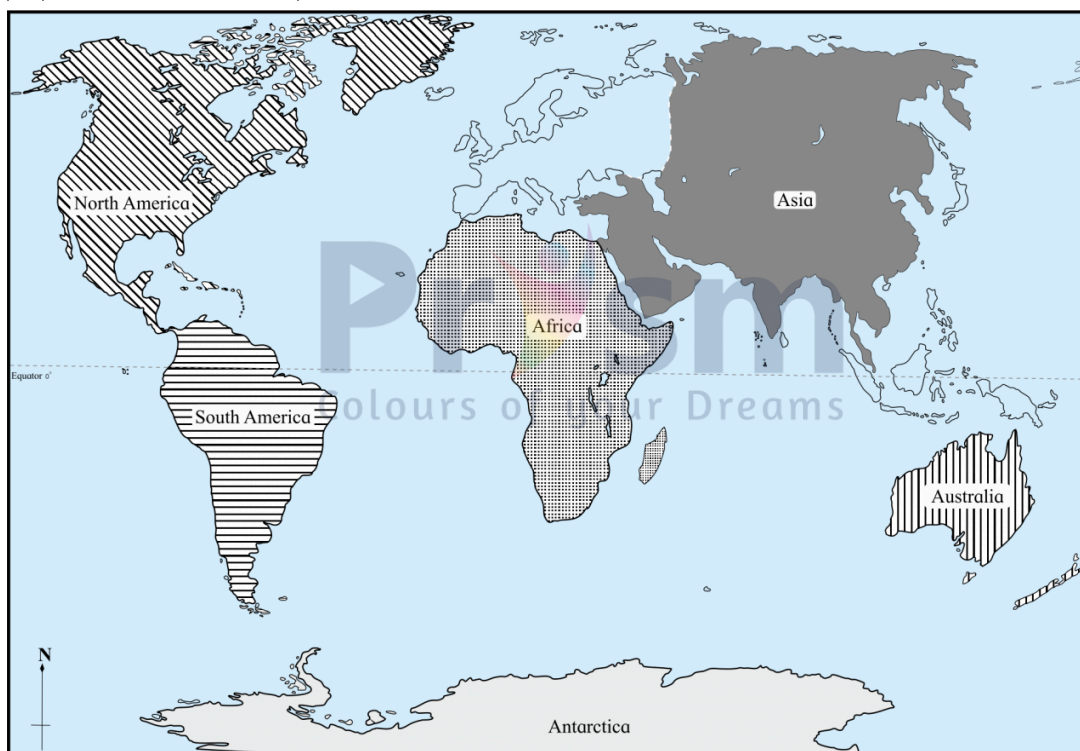
**Q.1 Mark the following in the outline map**

4

- 1 Mark the following in the outline map of India. Write the names and give index. (any 4)

	Name of Continent
i.	North America
ii.	South America
iii.	Australia
iv.	Asia
v.	Africa
vi.	Antarctica

**Ans**



	Name of Continent
	North America
	South America
	Australia
	Asia
	Africa
	Antarctica

**Q.2 Choose the correct alternative and rewrite the sentence**

5

- 1 According to the international convention, at which meridian does the day and date change?  
a. 0°      b. 90° E      c. 90° W      d. 180°

**Ans** According to the international convention, at which meridian does the day and date change? - **180°**

- 2 While crossing the IDL, a person will have to add one day when travelling from  
a. East to West      b. West to East      c. South to North      d. North to South

**Ans** While crossing the IDL, a person will have to add one day when travelling from - **West to East**.

**3** At which direction of the IDL does a new day start immediately?

- a. East      b. West      c. North      d. South

**Ans** At which direction of the IDL does a new day start immediately? - **West**

**4** If it is Wednesday 10 a.m. at 15° E meridian, then what will be the time at IDL?

- a. Wednesday 6 a.m      b. Wednesday 9 p.m  
c. Thursday 2 p.m      d. Thursday 6 p.m

**Ans** If it is Wednesday 10 a.m. at 15° E meridian, then what will be the time at IDL? - **Wednesday 9 p.m.**

**5** IDL brings coordination in which of the following?

- a. GPS system      b. Defence departments  
c. Transportation schedules      d. Determining the hemisphere

**Ans** IDL brings coordination in which of the following? - **Transportation schedules.**

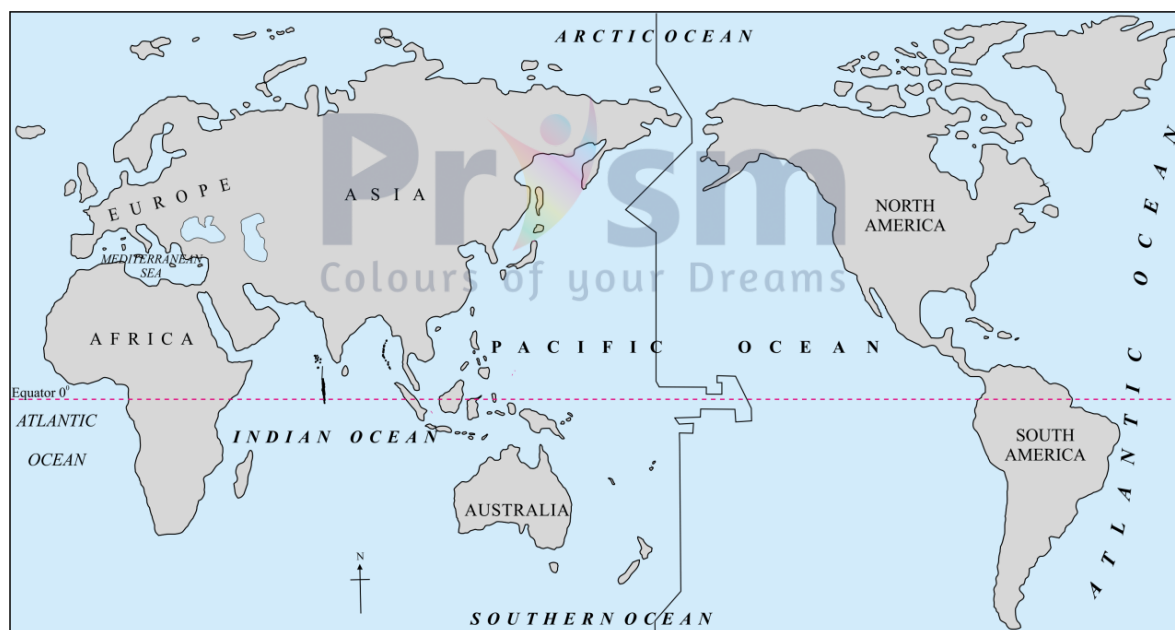
**Q.3** **Answer the following questions on the basis of the map given**

**4**

**1** Using an atlas, tell in which of the following routes the IDL will be crossed and show them on the map.

- i. Mumbai - London - New York - Los Angeles - Tokyo
- ii. Delhi - Kokata - Singapore - Melbourne
- iii. Kolkata - Hong Kong - Tokyo - San Francisco
- iv. Chennai - Singapore - Tokyo - Sydney - Santiago
- v. Delhi - London - New York

**Ans**



	Route	
i.	Mumbai - London - New York - Los Angeles - Tokyo	Yes ✓
ii.	Delhi - Kokata - Singapore - Melbourne	No ✗
iii.	Kolkata - Hong Kong - Tokyo - San Francisco	Yes ✓
iv.	Chennai - Singapore - Tokyo - Sydney - Santiago	Yes ✓
v.	Delhi - London - New York	No ✗

**Q.4** **Give Geographical Reasons**

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**1** IDL is proving to be very useful in today's times.

**Ans** i. IDL brings co-ordination between international airlines Transportation services, economic and Trade

activities.

- ii. IDL has carved out of necessity of co-ordinary time and date.
- iii. It is also important in today's modern age and rapidly happening global development.
- iv. We can keep track of all the calculations of the day and time accurately with the help of IDL in case of global transportation especially with respect to airways.

**2** The IDL is considered with respect to 180° meridian only.

- Ans**
- i. The earth is spherical in shape, every place has a place to its east then at what location to the east does the day start on the earth.
  - ii. The line was drawn to the opposite of Greenwich prime meridian i.e. with reference to the 180° meridian.
  - iii. It is an international convention to the change the day and time while crossing this line.

**3** The IDL does not passes through land.

- Ans**
- i. Had it passed through land or some islands, the people there would have had to follow different dates and timings because dates would have been different on their eastern and western parts
  - ii. Also, it would have been difficult to know when one crosses the IDL on land and when the date changes on the calendar.

**4** The day starts in Pacific Ocean on the earth.


- Ans**
- i. An international attempts has been made, the IDL passes through the pacific ocean.
  - ii. pacific ocean is the longest ocean that touches both eastern and western hemisphere.

**Q.5 Question related to graph / diagram:**

4

**1** Answer the following questions based on the given diagram: (any 4)

- i. From which country will the plane take off and where will it go?
- ii. What is the duration of the flight?
- iii. What is the day, date and time given at the starting point and destination of the flight?
- iv. What special note is given on the air ticket?
- v. What could be the reason behind giving such a note?
- vi. During this flight, will the plane cross the IDL? If yes, then from which direction to which direction?
- vii. What did you understand by reading the ticket?

Fri, Apr 1	✈	Thu, Mar 31	
12:30 am		5:45 pm	<b>Nonstop</b>
Tokyo, JP (HND - Haneda)		San Francisco, CA, US (SFO)	9h, 15m total
<div><i>i</i> Please note this flight involves a date change.</div>			
UA 876 Boeing 787-9 Dreamliner			 <i>i</i>

- Ans**
- i. Japan to U.S.A.
  - ii. 9 hours and 15 minutes.
  - iii. Starting point - Friday, April 1st, 12:30 am.  
Destination - Thursday, March 31st, 5:45 pm.
  - iv. Please note this flight involves a date change.
  - v. To overcome from the confusion of change of day, date
  - vi. Yes, From East to West.
  - vii. The schedules of the air traffic worldwide properly only because of the IDL.

**Q.6 Answer in detail/ brief**

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**1** What considerations have been made while deciding the IDL?

- Ans**
- i. Representative of many nations got together under the leadership of American professor Davidson in the year 1884 and decided on the International dateline.
  - ii. The line was drawn opposite to the Greenwich prime Meridian i.e. 180° meridian.
  - iii. It is an international convention to change the day and time while crossing this line.
  - iv. An international attempt has been made the IDL passes through the Pacific Ocean completely.
  - v. The IDL is not a straight line like the 180° meridian.
  - vi. At places, it turns east while at other places, it turns west in the ocean.

vii. The IDL has been changed as and when required.

**2** While crossing the IDL, what changes you will make?

- Ans**
- i. While crossing from east to west accordingly change in day and time is made.
  - ii. For this the standard of travelling date is considered to be at  $180^\circ$  meridian.
  - iii. We should be clear about the direction of travel and the current day and date of travel.

