



# GEOGRAPHY

## BOOKS - FULL MARKS GEOGRAPHY (HINGLISH)

### MOVEMENTS OF OCEAN WATER

**Ncert Textbook Questions With Answers Mcq**

1. Upward and downward movement of ocean water is known as the:

A. Tide

B. Current

C. Wave

D. None of the above

**Answer: A**



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**2. Spring tides are caused:**

A. As result of the moon and the sun pulling the earth gravitationally in the same direction

B. As result of the moon and the sun pulling the earth gravitationally in the opposite direction

C. Indention in the coast line

D. None of the above

**Answer: A**



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3. The distance between the earth and the moon is minimum when the moon is in:

A. Aphelion

B. Perigee

C. Perihelion

D. Apogee

**Answer: B**



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4. The earth reaches its perihelion in:

A. October

B. September

C. July

D. January

**Answer: D**



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# Ncert Textbook Questions With Answers Answer The Following Questions

1. What are waves?



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2. Where do waves in the ocean get their energy from?



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**3. What are tides?**



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**4. How are tides caused?**



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**5. How are tides related to navigation?**



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**6.** How do currents affect the temperature?

How does it affect the temperature of coastal areas in the N. W. Europe?



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**7.** What are the causes of currents?



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**Additional Questions Solved With Answers**  
**Multiple Choice Questions**



1. Which force intervenes and causes the water to move to the right in the northern hemisphere and to the left in the southern hemisphere?

A. Farrel law

B. The Coriolis force

C. Gravitational force

D. Effect of rotation of the earth

**Answer: B**



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2. Primary force which affects the ocean currents:

A. Heating by solar energy

B. Wind

C. Gravity

D. All of these

**Answer: D**



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3. What is the time between the high tide and low tide, when the water level is falling, is called?

A. Ebb

B. Waves

C. Currents

D. Gyres

**Answer: A**



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4. The Coriolis force intervenes and causes the water to move to the right in the northern hemisphere and to the left in the southern hemisphere. These large accumulations of water and the flow around them are called what?

A. Ebb

B. Waves

C. Currents

D. Gyres

**Answer: D**



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5. What per cent of ocean water is in the form of deep water currents?

A. 50 %

B. 60 %

C. 80 %

D. 90 %

**Answer: D**



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**6.** To what depth exist the upper layer of ocean stream?

A. 200 metres

B. 300 metres

C. 40 metres

D. 500 metres

**Answer: D**



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7. What is the name given to movement of water due to metrological effects?

A. Surges

B. Tides

C. Waves

## D. Currents

**Answer: A**



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8. What is the name given to time when the distance between the earth and the moon is minimum?

A. Aphelion

B. Perigee



C. Perihelion

D. Apogee

**Answer: B**



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9. The heights and lowest points of a wave are called \_\_\_\_\_ and \_\_\_\_\_.

A. Crest and trough

B. Trough and crest

C. Edd and surge

D. Surge and ebb

**Answer: A**



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**10.** How much time interval normally exist between neap tides and spring tides?

A. 7 days

B. 10 days

C. Two weeks

D. One month

**Answer: A**



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**11.** What per cent of ocean water is in the form of surface currents?

A. 50 %

B. 40 %

C. 20 %

D. 10 %

**Answer: D**



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**12.** It is the horizontal distance between two successive crests.

A. Wave speed

B. Waves length

C. Wave frequency

D. Wave gap

**Answer: B**



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**13. Where do highest tide occur in the world?**

A. Bay of Fundy in Nova Scotia, Canada

B. Bay of Hudson in USA

C. Bay of Bengal in India

D. Arabian Sea

**Answer: A**



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**14.** What is the unit for measuring speed of waves?

A. Km

B. Knot

C. Cm

D. Millibars

**Answer: B**



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**15.** At which place is being a 3 watt electric generating plant established in Sundarban in West Bengal?

A. Durgaduani

B. Haldia

C. Ganga

D. 24 pargana

**Answer: A**



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**16.** Which of the following is not a primary force which affects ocean currents?

A. Heating by solar energy

B. Wind



C. Gravity

D. Debilitation

**Answer: D**



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**17.** Those tides whose length varies are called what?

A. Spring tides

B. Neap tides

C. Mixed tides

D. High tides

**Answer: D**



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## Additional Questions Solved With Answers | Very Short Answer

1. Which forces influence the movement of ocean water?



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2. What types of movements take place in ocean water.



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3. Explain different types of vertical movement in the ocean water.



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4. How are ripples formed?



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5. How do steep and steady waves form?



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6. What factors cause tides?



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7. Where does highest tide occur in the world?



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8. What are Semi-Diurnal tides?



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9. What are Diurnal tides?



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10. What is a Mixed tide?



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11. What are Spring tides?



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12. What are neap tides?



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**13.** Define ocean currents.



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**14.** How are fishing and oceanic currents related?



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**Additional Questions Solved With Answers Iii  
Short Answer**

1. How do ocean currents affect the climate?

Explain.



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2. Explain different types of ocean currents.



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3. How do ocean currents get affected by winds and Coriolis force?





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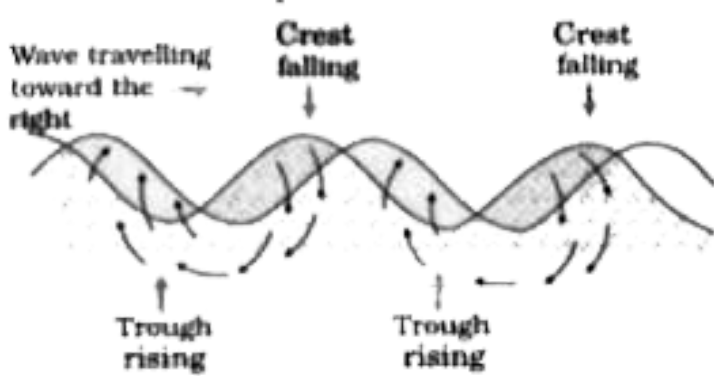
4. Differentiate between spring tides and neap tides.



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## Additional Questions Solved With Answers Iv Diagram Based Questions

1. Study the diagram given below and answer the questions that follow:



(i) What do you understand by waves?

(ii) What are crest and trough?

(iii) Why do waves travel?



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**Additional Questions Solved With Answers V**  
**Long Answer Type Questions**

1. In how many categories can tides be classified on the basis of their height and frequency?



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2. Write the characteristics of waves in the oceanic water.



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3. Explain how do heating of solar energy, wind, gravitation and coriolis force affect the ocean currents.



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4. Differentiate between warm currents and cold currents.



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5. Make a list of currents which are found in Pacific, Atlantic and Indian Ocean.



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6. How is the movement of currents influenced by prevailing winds? Give examples.



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7. Why some currents are warm or cold?



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8. What are under currents?



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## Additional Questions Solved With Answers Vii Map Skill

1. Show on a world map the currents of the oceans.



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