

## Chapter-4

### Worksheet-1

**Choose the correct option:**

1. What is the average temperature of Chennai during winter?
  - (a) Between  $24^{\circ}$  -  $25^{\circ}$
  - (b) Between  $10^{\circ}$  -  $15^{\circ}$
  - (c) Between  $20^{\circ}$  -  $25^{\circ}$
  - (d) Between  $25^{\circ}$  -  $35^{\circ}$
  
2. In winter the western cyclonic disturbances originate from which sea?
  - a) Mediterranean Sea
  - b) Indian Ocean
  - c) Caspian Sea
  - d) Arabian Sea
  
3. Which area is not an area of low precipitation?
  - a) Assam
  - b) Western Rajasthan and Gujarat
  - c) Leh in Jammu and Kashmir
  - d) Deccan plateau
  
4. Which is the coldest place in India?
  - a) Drass
  - b) Srinagar
  - c) Shillong
  - d) Bikaner
  
5. Mango showers occur in which one of the following group of two states?
  - a) Karnataka and Kerala
  - b) Bihar and West Bengal
  - c) Tamil Nadu and Andhra Pradesh
  - d) Maharashtra and Andhra Pradesh
  
6. Bengal, Orissa and Andhra Pradesh coasts are frequented by cyclones because:

- a) Low pressure conditions in northwest India lead to the creation of depression over Andaman Sea
  - b) The level coastline makes the cyclones penetrate these areas earlier
  - c) These areas are close to a volcano
  - d) Heavy rainfall in these parts encourage strong wind conditions
7. The peninsular part of India experiences peak summers earlier than northern India because:
- a) Due to northward movement of the sun, the global heat belt shifts northward
  - b) There is less rainfall in the peninsula during that time.
  - c) Cold waves from Central Asia sweeps through the northern plains during the time.
  - d) Clouds do not form in those months
8. The term monsoon is originated from?
- a) Arabic
  - b) German
  - c) Hindi
  - d) Latin
9. In which month the transition season changes the hot rainy season to dry winter season?
- a) October to November
  - b) December to February
  - c) February to March
  - d) June to July
10. Which of the following causes rainfall in West Bengal during the hot weather season?
- a) Kal Baishakhi
  - b) Mango showers
  - c) Southwest monsoon
  - d) Retreating Monsoon

**Answer the following Questions.**

11. Describe the role of El Nino and Southern Oscillation to control the climate of India.

12. Why is the distribution of rainfall uneven in India? Mention any five factors?
13. Describe the Inter Tropical Convergence Zone (ITCZ).
14. Differentiate between the North-East Monsoons and South-West Monsoons by explaining five distinctive features of each.
15. Station A            Latitude            Altitude
- |   |       |       |
|---|-------|-------|
| A | 12° N | 909 m |
| B | 26° N | 160 m |
16. Study the table given above and answer the following questions:
- What type of climate does station A have and why?
  - What type of climate does station B have and why?
17. Development of tropical cyclones is a distinguishing feature of the monsoon. How do tropical cyclones influence distribution of rainfall in India?
18. In certain places there is a wide difference between day and night Temperatures. Explain with examples.
19. On the outline map of India, locate and label the following cities.
- Thiruvananthapuram
  - Chennai
  - Jodhpur
  - Bengaluru
  - Mumbai
20. Two features are marked on the outline map of India. Identify the features on the basis of information provided and mark them.
- Area receiving rainfall less than 20 cm
  - Area receiving rainfall more than 400 cm.

