

1. The Tamil Nadu coast remains dry during the South-west Monsoon season. The reason
 1. The Tamil Nadu coast is situated parallel to the Bay of Bengal branch of Southwest monsoon
 2. It doesn't lie in the rain shadow region of the Arabian Sea branch of the South-west monsoon
 3. Monsoon winds strike the coast and reroute due to the very high summits of the Eastern Ghats
 Which of the statements given above is/are correct?
 - a) **1 only**
 - b) 1 and 2 only
 - c) 1, 2 and 3
 - d) 1 and 3 only
2. The Winter Monsoons, that are also known as the North-East Monsoons blow from
 - a) Sea to the Land
 - b) **Land to Sea**
 - c) Upper air circulation
 - d) None
3. Consider the following statements
 1. High pressure systems usually bring wind and precipitation.
 2. Low pressure systems are usually characterized by dry and settled weather.
 Which of the statements given above is/are correct?
 - a) 1 only
 - b) 2 only
 - c) Both 1 and 2
 - d) **Neither 1 nor 2**
4. Consider the following statements regarding Katabatic winds:
 1. They are also called Gravity winds or Downslope winds
 2. They occurs due to density differences in wind at different altitudes
 Which of the statements given above is/are correct?
 - a) 1 only
 - b) 2 only
 - c) **Both 1 and 2**
 - d) Neither 1 nor 2
5. Why does not the cyclones form at the Equator
 - a) **The Coriolis force is zero at the Equator**
 - b) The Coriolis force is maximum at the Equator
 - c) The wind blows parallel to the isobars at the Equator
 - d) None
6. Consider the following statements about the Gulf Cooperation Council (GCC):
 1. Members of the Gulf Cooperation Council include Saudi Arabia, UAE, Bahrain and Kuwait.
 2. The Secretariat of GCC is located in Riyadh, Saudi Arabia.
 Which of the statements given above is/are correct?
 - a) 1 only
 - b) 2 only
 - c) **Both 1 and 2**
 - d) Neither 1 nor 2
7. With reference to Pradhan Mantri Bhartiya Janaushadhi Pariyojana (PMBJP), consider the following statements:
 1. It aims to extend the coverage of branded medicines to reduce the out of pocket expenditure on medicines.
 2. The scheme was launched by the Ministry of Health and Family Welfare.
 Which of the statements given above is/are correct?
 - a) 1 only
 - b) 2 only
 - c) Both 1 and 2
 - d) **Neither 1 nor 2**
8. Which of the following states come under India's core cold wave zone?
 1. Punjab
 2. Rajasthan
 3. New Delhi

4. Kerala
Select the correct answer using the code given below:
a) 1, 3 and 4 only
b) 1, 2 and 3 only
c) 2, 3 and 4 only
d) 1, 2, 3 and 4
9. With reference to Central Vista Redevelopment Project, consider the following statements:
1. The project envisages construction of a new Parliament and Secretariat in Delhi.
2. It is proposed by the Union Ministry of Parliamentary Affairs.
Which of the above statements is/are correct?
a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 and 2
10. With reference to the National Monsoon Mission, consider the following statements:
1. It was launched to develop a dynamic monsoon prediction system.
2. It was launched by the Ministry of Earth Sciences in 2012.
Which of the statements given above is/are correct?
a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2
11. Consider the following statements:
1. When the light is reflected from a surface, the angle of incidence is generally equal to the angle of reflection.
2. Laws of reflection are applicable to all types of reflecting surfaces except spherical surfaces.
Which of the statements given above is/are NOT CORRECT?
a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2
12. Consider the following statements regarding formation of image by a plane mirror:
1. Image formed by a plane mirror is always virtual and erect.
2. The image formed is as far behind the mirror as the object is in front of it.
Which of the statements given above is/are correct?
a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2
13. Consider the following statements:
1. Conventionally, in an electric circuit the direction of electric current is taken as the same direction of the flow of electrons.
2. Electric current is expressed by the amount of charge flowing through a particular area in unit time.
Which of the statements given above is/are correct?
a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2
14. Consider the following statements:
1. The electrons are able to travel through a perfect solid crystal smoothly.
2. The motion of electrons in a conductor is very different from that of charges in empty space.
Which of the statements given above is/are correct?
a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2

15. Consider the following statements:
1. Magnetic field is a quantity that has direction but not magnitude.
 2. The relative strength of the magnetic field is shown by the degree of closeness of the field lines.
- Which of the statements given above is/are correct?
- a) 1 only
 - b) 2 only**
 - c) Both 1 and 2
 - d) Neither 1 nor 2
16. Factors that affect the salinity of the ocean waters are
- a) Wind and Ocean Currents only
 - b) Wind, Ocean Currents and Fresh Water flow only
 - c) Ocean Currents and Fresh Water flow only
 - d) Wind, Ocean Currents, Fresh Water flow and Evaporation and Precipitation**
17. Which of the following factors influence the ocean currents
1. Rotation of the Earth
 2. Revolution of the Earth
 3. Air Pressure and Wind
 4. Density of the Ocean Water
- Which of the statements given above is/are correct?
- a) 1 and 2 only
 - b) 1 and 3 only
 - c) 1, 2 and 3 only
 - d) 1, 3 and 4 only**
18. Consider the following statements
1. The shallowest part of the ocean is continental slope which shows an average slope gradient of 1° or even less
 2. Deep sea plains are steeply sloping areas of the ocean basins.
- Which of the statements given above is/are correct?
- a) 1 only
 - b) 2 only
 - c) Both 1 and 2
 - d) Neither 1 nor 2**
19. Consider the following statements
1. The North Sea, in spite of its location in higher latitudes, records higher salinity due to more saline water brought by the North Atlantic Drift.
 2. Baltic Sea, records low salinity due to influx of River waters in large quantity.
 3. The Mediterranean Sea, records higher salinity due to high evaporation.
 4. In Bay of Bengal, the low salinity trend is observed due to influx of River water by the River Ganga.
- Which of the statements given above is/are correct?
- a) 1 and 2 only
 - b) 2 and 3 only
 - c) 1, 2 and 3 only
 - d) 1, 2, 3 and 4**
20. The size and shape of the Waves reveal the origin the wave. Consider the following correlations in this regard:
1. Slow and steady waves originate from faraway places, possibly from another hemisphere.
 2. Steep waves are fairly young ones and are probably formed by local wind.
- Which of the statements given above is/are correct?
- a) 1 only
 - b) 2 only
 - c) Both 1 and 2**
 - d) Neither 1 nor 2
21. Which of the following statements are correct about UNESCO Global Geoparks:
1. It gives international recognition for sites that promote the importance of protecting the Earth's geodiversity.

2. The UNESCO Global Geopark status does not imply restriction on any economic activity inside the Global Geopark.
3. India does not have any UNESCO Global Geopark.
- Select the correct answer using the code given below:
- a) 1 and 2 only
b) 2 and 3 only
c) 1 and 3 only
d) 1, 2 and 3
22. Which of the following initiatives are launched to fight tuberculosis (TB) in India?
1. Nikshay Ecosystem
2. Nikshay Poshan Yojana (NPY)
3. Saksham Project
4. National Tuberculosis Elimination Programme (NTEP).
- Choose the correct answer using code given below:
- a) 1 and 4 only
b) 2 and 3 only
c) 3 and 4 only
d) 1, 2, 3 and 4
23. Consider the following statements:
1. Hydrocarbon Exploration and Licensing Policy (HELP) is a Revenue sharing model instead of profit sharing for hydrocarbon exploration.
2. The New Exploration Licensing Policy (NELP) will replace the HELP.
- Which of the statements given above is/are correct?
- a) 1 only**
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2
24. With reference to Central Bureau of Investigation (CBI), consider the following statements:
1. CBI derives its powers from Delhi Special Police Establishment Act.
2. CBI can suo-moto investigate the case in any state of India.
- Which of the above statements is/are correct?
- a) 1 only**
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2
25. Consider the following statements regarding 'Parambikulam Tiger Reserve':
1. Anakkayam Small Hydro Electric Project is proposed in its buffer zone.
2. It has the world's oldest teak tree.
- Which of the statements given above is/are correct?
- a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2