

Q1. Which of the following areas is/are best suited for formation of air masses?

1. an extensive area with a broadly uniform surface of earth.
2. areas having cyclones.
3. hot deserts in tropical regions.

Select the correct answer using the codes given below.

- a) 1 and 2 only
- b) 1 and 3 only
- c) 1 only
- d) 1, 2 and 3 only

Q2. What are the causes of low pressure in the equatorial region?

1. high temperature
2. air convergence
3. high humidity

Select the correct answer using the codes given below.

- a) 1 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) 1, 2 and 3 only

Q3. The greatest damage to life and property from a hurricane is due to

- a) storm surge.
- b) torrential rains.
- c) strong winds in the hurricane
- d) both (b) and (c)

Q4. Which of the following region/s will have most of its rainfall in the months of December-January?

1. areas in the borderlands of the Mediterranean sea.
2. central and southern California coast in USA
3. central Chile

Select the correct answer using the codes given below.

- a) 1 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) 1, 2 and 3

Q5. With reference to frontal precipitation, consider the following statements:

1. Precipitation associated with a warm front is of long duration.
2. Heavy but short duration precipitation occurs because of stationary front.

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

Q6. With reference to monsoon of eastern Asia and southern Asia, consider the following statements:

1. Winter monsoon in eastern Asia is stronger than summer monsoon while it is the opposite in southern Asia.
2. The burst of monsoon over southern Asia is associated with turbulent weather whereas that in eastern Asia is characterized by mild weather disturbances.

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

Q7. Secondary circulation in atmosphere consists of

1. polar easterlies
2. temperate cyclones
3. mountain winds
4. monsoon
5. sea breezes

Select the correct answer using the codes given below.

- a) 1 only
- b) 2, 4 and 5 only
- c) 2 and 4 only
- d) 3 and 5 only

Q8. The Arabian Sea branch of the monsoon is much more powerful than the Bay of Bengal branch because

- a) Arabian sea is larger than the Bay of Bengal.
- b) entire Arabian sea current advances towards India, whereas only a part of the Bay of Bengal current enters India.
- c) both (a) and (b)
- d) none is correct because Bay of Bengal branch is more powerful.

Q9. When cold front passes over an area then

1. temperature decreases.
2. relative humidity increases.
3. sky becomes clear.

Select the correct answer using the codes given below.

- a) 1 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) 1, 2 and 3

Q10. Which of the following conditions is/are conducive for the formation of tropical cyclones?

1. large and continuous supply of warm and moist air.
2. large value of coriolis force.
3. inflow of air at upper level of atmosphere.

Select the correct answer using the codes given below.

- a) 1 and 2 only
- b) 1 only

- c) 1 and 3 only
- d) 1, 2 and 3

Solutions

- S1.Ans.(b)
- S2.Ans.(a)
- S3.Ans.(a)
- S4.Ans.(b)
- S5.Ans.(a)
- S6.Ans.(c)
- S7.Ans.(c)
- S8.Ans.(c)
- S9.Ans.(c)
- S10.Ans.(a)



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