

Class: VII
Subject: Physics
Topic: Winds, storms and cyclones
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

1. Which one of the following place is unlikely to be affected by a cyclone?
 - A. Chennai
 - B. Mangalore (Mangalore)
 - C. Amritsar
 - D. Puri

Ans. C

2. Which of the statements given below is correct?
 - A. In winter the winds flow from the land to the ocean.
 - B. In summer the winds flow from the land towards the ocean.
 - C. A cyclone is formed by a very high-pressure system with very high-speed winds revolving around it.
 - D. The coast line of India is not vulnerable to cyclones.

Ans. A

3. An example of natural disaster is:
 - A. Tsunami
 - B. Flood
 - C. Storm
 - D. All of these

Ans. D

4. Which of the following is most likely to being the 'eye' of a cyclone?
 - A. It is an area of high pressure
 - B. It is an area of low pressure
 - C. It has high speed winds
 - D. It has lots of clouds

Ans. B

5. Which of the following plays an important role in the early warning systems.
- A. Satellites
 - B. Moon
 - C. Helicopters
 - D. Submarines

Ans. A

6. Which of the following is the best thing to do during heavy lightning?
- A. Lie on the ground in an open place.
 - B. Go in to a water body
 - C. Stay indoors, away from metallic door and windows.
 - D. Stand under at all trees.

Ans. C

7. When a vehicle, like a train, moves very fast a/an..... is created temporarily behind it.
- A. Low pressure
 - B. High pressure
 - C. Eye
 - D. Cyclone

Ans. A

8. The wind speed during the second cyclone that hit Orissa during the year 1999 on 29th October was
- A. 260km/hr
 - B. 200km/hr
 - C. 150km/hr
 - D. 100km
 - E. /hr

Ans. A

9. The change in shape of a hot tin can when poured with cold water on it is due to the
- A. pressure inside the can is less than that outside
 - B. pressure inside the can is more than that outside
 - C. pressure outside the can is same as that inside
 - D. Pressure inside the can is equal to the atmospheric pressure

Ans. A

10. The paper ball kept near the mouth of a plastic bottle will be pushed out because
- A. the air pressure inside the bottle is same as that at the mouth
 - B. the air pressure inside the bottle is more than that at the mouth
 - C. the air pressure inside the bottle is less than that at the mouth
 - D. The pressure inside and outside the bottle same.

Ans. B

11. Increased wind speed is accompanied by
- A. no change in temperature
 - E.B. Reduced pressure
 - C. increased pressure
 - D. No change in pressure

Ans. B

12. Air moves faster between two places when the pressure difference between the place is
- A. less
 - B. zero
 - C. More
 - D. equal to the atmospheric pressure

Ans. C

13. Warm air is _____ than cold air

- A. Heavier
- B. lighter
- C. no difference in weight
- D. very much lighter

Ans. B

14. The centre of a cyclone is a calm area and is called the _____ of the storm.

- A. eye
- B. Focus
- C. Centre
- D. Radius

Ans. A

15. A cyclone is called a _____ in the American Continent.

- A. Hurricane
- B. Typhoon
- C. Tornado
- D. Thunderstorm

Ans. A

16. A cyclone is called a _____ in Philippines and Japan.

- A. Hurricane
- B. Typhoon
- C. Tornado
- D. Thunderstorm

Ans. B

17. A dark funnel shaped cloud that reaches from the sky to the ground is called a

- A. Hurricane
- B. Typhoon
- C. Tornado
- D. Thunderstorm

Ans. C

18. A violent tornado travel at a speed of about

- A. 100 km/hr
- B. 200km/hr
- C. 300km/hr
- D. 50km/hr

Ans. C

19. The instrument that measures the wind speed in a cyclone is

- A. Anemometer
- B. Barometer
- C. Thermometer
- D. Ammeter

Ans. A

20. Which one of the following places is unlikely to be affected by a cyclone?

- A. Chennai
- B. Mangalore
- C. Amritsar
- D. Puri

Ans. C