

CPL Meteorology

1. When the visibility reaches between 1000-2000M due to presence of water particles in the atmosphere, it is called –

- a) Fog
- b) Haze
- c) Mist

**Ans. c**

2. In a westward moving monsoon depression, heavy rains are expected –

- a) In NE quadrant
- b) In NW quadrant
- c) In SW quadrant

**Ans. c**

3. When dry bulb and dew point temperatures recorded at Srinagar airport are – 0.5 deg C and -9.0 deg C respectively, then it will be reported in METAR as –

- a) -0.5 deg C/-9.0 deg C
- b) -0.5 deg C/ -9.0
- c) M 00/ M 09

**Ans. c**

4. Squalls are distinguished from gusts by their –

- a) Longer duration
- b) Shorter duration
- c) Lower wind speeds

**Ans. b**

5. Coriolis force is maximum –

- a) Near the equator
- b) Near the poles
- c) At 45 deg N

**Ans. b**

6. Cloudy nights are –

- a) Warmer than clear nights
- b) Warmer than clear days
- c) Cooler than clear nights

**Ans. a**

7. In METAR, if the sky is clear and visibility more than 10 km then the cloud group can be replaced by the abbreviation –

- a) SKC
- b) NO SIG
- c) CAVOK

**Ans. c**

METAR VIDP 270300Z 30020KT 0500 R28/1200 R10/1100 R27/1000 FG FEW200 10/10 Q1009 BECMG 1500 BR =

The above METAR reports visibility as –

- a) 1200 m
- b) 1100 m
- c) 500 m

**Ans. c**

8. Norwesters are ----

- a) Systems moving from west to East
- b) A weather phenomena associated with NE monsoon
- c) Violent thunderstorms during summer months over NE India

**Ans. c**

9. Mixing ratio is the ratio of –

- a) Mass of water vapour to the mass of dry air
- b) Mass of water vapour to the volume of dry air
- c) Volume of water vapour of the volume of dry air

**Ans. a**

10. A rapid fall of pressure occurring for last 6 hours over a station is generally associated with –

- a) Clear weather
- b) Approach of cyclonic storm
- c) Formation of fog

**Ans. b**

11. Winds during movement of active western disturbance across NW India in January at 300 hPa over Delhi is –

- a) Westerly
- b) Easterly
- c) Northerly

**Ans. a**

12. SPECI is issued when visibility crosses –

- a) 700 M
- b) 1400 M
- c) 3000 M

**Ans. c**

13. The eye region of the very severe cyclonic storm is associated with-

- a) Torrential heavy rainfall.
- b) Strong winds.
- c) Calm wind and fair weather.

**Ans. c**

14. Which of the following met conditions does not prevail during break monsoon?

- a) Monsoon trough is at foot hills of Himalayas
- b) Absence of low level easterly over Northern India
- c) Monsoon depression located over Orissa coast

**Ans. c**

15. Normally the pressure value at 1600 hrs local time at a station

- a) Is greater than the pressure value at 1000 hrs local time
- b) Is less than the pressure value at 1000 hrs local time
- c) Is equal to pressure value at 1000 hrs local time

**Ans. b)**

16. Fog frequencies are higher over

- a) Kolkata
- b) Mumbai
- c) Lucknow

**Ans. c**

17. Tamil Nadu experiences high rains during –

- a) January
- b) July
- c) October

**Ans. c**

18. Tropical cyclones over sea which forms at far from the coast are mainly tracked by –

- a) Satellite
- b) Coastal observations
- c) NWP models

**Ans.a**

19. When moist air steadily blows across a mountain range, clouding and precipitation will be –

- a) More over the leeward side of the mountain
- b) More over the top of the mountain
- c) More on the windward side of the mountain

**Ans. c**