

1. TODA is –

- a) Take off distance available at an airfield
- b) TORA + length of clear way
- c) Total length of run way-clear way

Ans. (b)

2. Density of air at a place reduces due to

- a) Decrease in pressure
- b) Increase in temperature
- c) Both (a) and (b)

Ans.(c)

3. In international standard atmosphere the density of air at sea level is

- a) 1.225 kg/m³
- b) 1225 lbs/ft³
- c) 122.5 kg/m³

Ans. (a)

4. The turn indicator

- a) Is a rate gyro
- b) Indicates the amount of bank
- c) Both (a) and (c)

Ans. (c)

5. The heading indicator is a

- a) Earth gyro
- b) Directional gyro
- c) Rate gyro

Ans. (b)

6. A ground to air signal of 'X' made by a survivor indicates to the search aeroplane

- a) Require assistance
- b) Require medical assistance
- c) Unable to proceed further

Ans. (c)

7. Lowest layer of atmosphere is

- a) Troposphere
- b) Tropopause
- c) Stratosphere

Ans. (a)

8. Atmosphere is heated by

- a) Solar radiation
- b) Heat from earth surface
- c) Ultraviolet rays

Ans. (b)

9. The rate of fall of temperatures with height, called

- a) Isothermal rate
- b) Inversion rate
- c) Lapse rate

Ans. (c)

10. A distress phase is a phase

- a) When the ac and its occupants are threatened by grave and imminent danger and require immediate assistance
- b) When uncertainty exists as to the safety of the ac and its occupants
- c) None of the above

Ans. (a)

11. The width of a transition layer is

- a) 500 feet
- b) 1500 feet
- c) 1000 to 1499 feet

Ans. (c)

12. Series of white light from control tower to aircraft in flight indicates

- a) Return for landing and proceed to apron
- b) Return to starting point
- c) Return for landing

Ans. (a)

13. Angle of coverage of left navigation light is

- a) 70 degrees
- b) 240 degrees
- c) 110 degrees

Ans. (c)

14. Low pressure is associated with

- a) Good weather
- b) Bad weather
- c) None of the above

Ans. (b)

15. A region between two lows and two highs is

- a) Depression
- b) Secondary low
- c) Col

Ans. (c)

16. The wind sliding down a hill during night is called _____ wind

- a) Fohen
- b) Anabatic
- c) Katabatic

Ans. (c)

17. Altostratus (AS) is

- a) Low cloud of sheet type
- b) A medium cloud of sheet type
- c) A cloud of large vertical growth

Ans. (b)

18. Instrument used for measuring visibility is called

- a) Visiometer
- b) Transmissometer
- c) Ceilometer

Ans. (b)

19. Monsoon period is

- a) Jan to Feb
- b) March to May
- c) June to Sep

Ans. (c)

20. An aircraft is flying at constant indicated altitude, over a warm air mass. The altimeter reading will be

- a) Correct
- b) Grater than the real altitude
- c) Less than the real altitude

Ans. (c)

21. If the needle and the ball of a turn and slip indicator both show right, what does it indicate

- a) Turn to left and too much bank
- b) Turn to right and too much bank
- c) Turn to left and too little bank

Ans. (b)

22. What is density altitude

- a) Altitude in the standard atmosphere at which the prevailing density is equal to the density in the standard atmosphere
- b) Pressure altitude corrected for prevailing temp
- c) Temperature altitude

Ans. (a)

23. Mach number is defined as

- a) The ratio of pitot pressure to dynamic pressure
- b) The ratio of static pressure to dynamic pressure
- c) The ratio of dynamic pressure to static pressure

Ans. (c)

24. What happens when the static pressure supply, to an altimeter, becomes blocked during a descent?

- a) Reduces to zero
- b) Over reads
- c) Indicates altitude at which blockage occurred

Ans. (c)

25. The privileges of a licence can be exercise by a pilot involved in an incident after :

- a) He is cleared by owner of the aircraft
- b) He is cleared by the DGCA.
- c) He is cleared by the ATS authority.

Ans. (b)