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### **Airport Engineering MCQ**

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#### Q1. Airports can be classified on ..... bases?

- A. 2
- **B.** 3
- C. 4
- **D.** 5

### Q2. Which of the following does not affect the site-selection of an airport site?

- A. Adequate access
- B. Sufficient airspace
- C. Air traffic potential
- D. Number of ground staff

Q3. There are ..... types of Fly Rules?

- A. 2
- **B.** 3
- C. 4
- **D.** 5

### Q4. Which of the following does not affect the site-selection of an airport site?

- A. Sufficient airspace
- **B.** Air traffic potential
- C. Adequate access

• D. Number of ground staff

### Q5. Are Runways oriented in a direction against the prevailing wind.

- A. Yes
- B. No

### Q6. What should be the wind intensity during a quiet period in the runway?

- A. Above 5km/hr
- **B.** Below 4.6km/hr
- C. Below 6.4km/hr
- **D.** Between 5-10 km/hr

#### Q7. Which of the following is the correct statement?

- A. The glide slope indicates the correct angle of descent
- B. Runway edge from the landing side, is called threshold
- C. Localizer indicates to the pilot his position with respect to the proposed alignment
- D. All of the above

## **Q8.** When was the International Civil Aviation Organization established in Montreal (Canada)?

- A. 1929
- **B.** 1947
- C. 1945
- **D.** 1946

#### Q9. What is the minimum width of clearway?

- A. 50 m
- **B.** 100 m
- C. 150 m
- **D.** 250 m

### Q10. The runway orientation is made so that landing and takeoff are

- A. Along the wind direction
- B. Against the wind direction
- C. Perpendicular to wind direction
- **D.** None of the above

# Q11. According to I.C.A.O. all markings on the runways are painted white and on taxiways

- A. Red
- B. Yellow
- C. Black
- **D.** Green

### Q12. The best direction of a runway is along the direction of

- A. Line clear of wind rose diagram
- B. Longest line on wind rose diagram
- C. Shortest line on the wind rose diagram
- **D.** None of the above

### Q13. The strength of winds is measured with the help of

- A. Barometers
- **B.** Wind indicator
- C. Beaufort scale
- **D.** None of the above

### Q14. As per ICAO, the minimum basic runway length for A and E type of airport will be

- A. 1500 m and 750 m
- B. 2100 m and 600 m
- C. 1500 m and 600 m
- **D.** None of the above

### Q15. ..... is used for servicing and repairs of the aircraft?

- A. Apron
- B. Hanger

- C. Holding Apron
- **D.** Terminal Building

Q16. What is the size of landing area for multi engine helicopters operating under 1 FR conditions?

- A.  $30 \text{ m} \times 30 \text{ m}$
- **B.** 60 m × 120 m
- C. 22.5 m × 22.5 m
- **D.** 22.5 m × 22.5 m

Q17. Zero fuel weight of an aircraft is equal to sum of empty operating weight and the maximum pay load.

- A. True
- **B.** False

### Q18. Airport elevation is the reduced level above M.S.L. of

- A. Control tower
- **B.** Lowest point of the landing area
- C. Highest point of the landing area
- **D.** None of the above

Q19. According to the International Civil Aviation Organisation, the runway lengths of aerodromes, have been coded by .....

- A. Seven English alphabets
- **B.** First seven natural numbers.
- C. First Seven English alphabets
- D. Last Seven English alphabets

Q20. An aircraft is flying in an atmosphere of 30°C with a speed of 1260 kmph. Its speed is known as

- A. Mach
- B. Sonic
- C. Subsonic

• **D.** Super-sonic

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