

KAMARAJ COLLEGE (Autonomous)

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

(4 Pages)

Reg. No:.....

Question Code: 26E04101

Course Code : 25UMAM12

UG Degree - End Semester Examinations, April 2026

First Semester

B.B.A AVIATION MANAGEMENT

Introduction to Airport Management

(For those who joined in June 2025 onwards)

Time: 3Hours

Maximum: 75 Marks

PART - A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer:

- CO:1
K:1
1. Which part of the airport is primarily used for aircraft parking, servicing and boarding?
- (a) Runway (b) Apron
(c) Taxiway (d) Hangar
- CO:1
K:1
2. What is the main purpose of an airport fire station?
- (a) Manage fuel depot (b) Handle passenger security
(c) Aircraft rescue and fire Fighting (d) Provide air traffic information
- CO:2
K:1
3. Runway edge lights are usually
- (a) Blue (b) Red
(c) Green (d) White
- CO:2
K:1
4. An aerodrome beacon showing alternating green and white flashes indicates
- (a) Military Airport (b) Civil Land Aerodrome
(c) Seaplane Base (d) Heliport
- CO:3
K:2
5. Which navigational aid uses radio signals to indicate aircraft bearing relative to a station?
- (a) VOR (b) DME
(c) GPS (d) ADS

- CO:3 6. The Instrument Landing System (ILS) provides
K:1 (a) Radar surveillance only (b) Guidance for take-off
(c) Lateral and vertical (d) Aircraft fueling
guidance for landing
- CO:4 7. Which ATC unit controls aircraft movements on taxiways and
K:1 aprons?
(a) Flight Information Centre (FIC) (b) Tower Control
(c) Surface Movement Control (SMC) (d) Area Control Centre
- CO:4 8. A document submitted before flight, containing route and
K:1 operational details is called
(a) Dispatch Note (b) Flight Plan
(c) Safety Checklist (d) Clearance Card
- CO:5 9. Which organization regulates civil aviation safety in India?
K:1 (a) ICAO (b) DGCA
(c) AAI (d) BCAS
- CO:5 10. CISF at airports is primarily responsible for
K:2 (a) Air navigation (b) Passenger baggage handling
(c) Aviation security (d) Aircraft maintenance

PART - B (5 X 5 = 25 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 250 words.

- CO:1 11. (a) Explain the functions and importance of airport terminals.
K:3

(OR)

- (b) Write short notes on airport fuel depot and its safety features.

- CO:2 12. (a) Describe the different types of runway markings.
K:2

(OR)

- (b) Write a note on obstacle lighting and its types.

- CO:3 13. (a) Explain the functions of primary and secondary radar in
K:3 airports.

(OR)

(b) Write short notes on Navigational Facilities: VOR and NDB.

CO:4 14. (a) What are the functions of Air Traffic Control Tower?

K:3

(OR)

(b) Explain the role of Flight Information Centre (FIC) in air traffic management.

CO:5 15. (a) Write a short note on ICAO and its functions in global aviation.

K:3

(OR)

(b) Explain the role of Airports Authority of India (AAI) in airport management.

PART - C (5 X 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 500 words.

CO:1 16. (a) Discuss in detail the different types of airport terminals.

K:3

(OR)

(b) Explain the importance and functions of airport vehicles in ground operations.

CO:2 17. (a) Describe the different airport lighting systems used for runways, taxiways and approach.

K:3

(OR)

(b) Explain the concept of declared distances (TORA, TODA, ASDA, LDA) with suitable diagrams.

CO:3 18. (a) Write a detailed note on Surveillance Equipments: Primary Radar, SSR, Surface Movement Radar and ADS.

K:3

(OR)

(b) Explain GPS and ILS in detail and their importance in airport navigation.

CO:4 19. (a) Discuss the structure and functions of different ATC Units.

K:3

(OR)

(b) Explain the process of flight dispatch and briefing in air traffic control.

CO:5 20. (a) Write in detail about the Ministry of Civil Aviation and its role in policy-making.

- (b) Explain the roles and responsibilities of BCAS and CISF in aviation safety and security.