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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 08-10-2025

Time: 09.30am to 11.00am

School: SOC/SOM-UG	Program: BBA Aviation Management	
Course Code: BAV3023	Course Name: Air Traffic Control	
Semester: III	Max Marks: 50	Weightage: 25%

CO - Levels	CO1	CO2	CO3	CO4	CO5
Marks	26	24	-	-	-

Instructions:

- (i) *Read all questions carefully and answer accordingly.*
- (ii) *Do not write anything on the question paper other than roll number.*

Part A

Answer ALL the Questions. Each question carries 2 marks.

5Q x 2M=10M

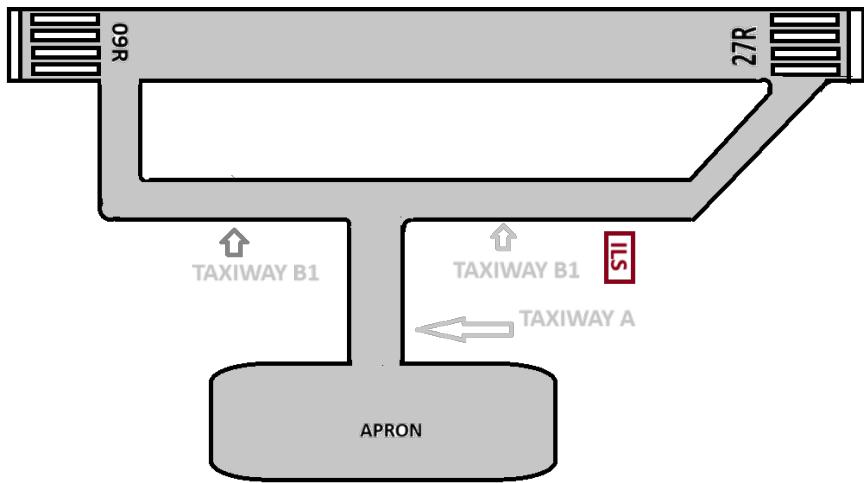
1	State the major objectives of Air Traffic Control (ATC) in aviation.	2 Marks	L1	CO1
2	Identify the difference between a Precision and a Non-Precision Approach, and name one example of each.	2 Marks	L1	CO1
3	List the two major voice radio frequencies used in ATC communication with pilots in India, along with their frequency ranges.	2 Marks	L1	CO1
4	Name the major components of the Instrument Landing System (ILS).	2 Marks	L1	CO2
5	Recall the ATC units involved in the departure of a flight from an international airport.	2 Marks	L1	CO2

Part B

Answer ALL the Questions. Each question carries 10 marks.

4Q x 10M=40M

6.	Illustrate on a reproduced figure on a separate sheet the various taxiway markings, including:	10 Marks	L2	CO1
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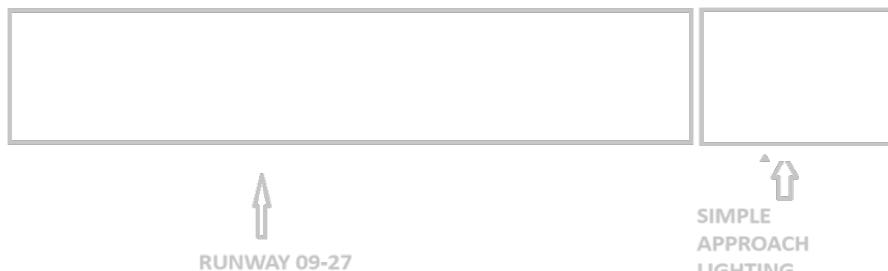


- a) Taxiway centerline markings
- b) Runway holding point
- c) Continuous and taxiway edge markings
- d) Broken taxiway markings
- e) Stop bar at ILS holding position
- f) Taxiway holding position

Or

Demonstrate on the given diagram (or a reproduced figure on a separate sheet) the various runway lighting systems for a precision approach runway along with a simple approach lighting system, using appropriate colors.

7.



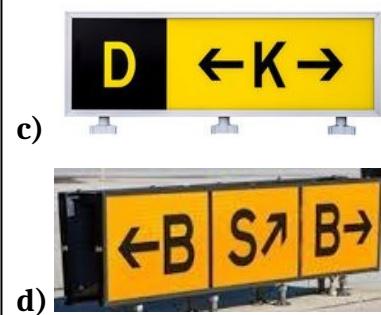
10 Marks **L2** **CO1**

8.

Explain the various aerodrome signs given below and illustrate them with figures wherever applicable.



10 Marks **L2** **CO2**



Or

9.	Interpret the major types of ATC separation used by an ATC officer to keep aircraft separated in the air, with suitable examples and figures.	10 Marks	L2	CO2
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10.	Outline and explain the two visual landing aids used for providing vertical guidance to arriving aircraft, and illustrate with figures how each aids the pilot in descending to a runway for landing.	10 Marks	L2	CO2
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Or

11.	Summarize the ATC procedure for an arriving aircraft at Bangalore International Airport, starting from release by ACC Bangalore Approach Control until the aircraft is parked on the parking stand.	10 Marks	L2	CO2
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12.	Compare between precision approaches and non-precision approaches, and explain each in detail with figures wherever necessary.	10 Marks	L2	CO2
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Or

13.	Explain the possible reasons for displacing the runway threshold at an airport with diagrams, and illustrate the various combinations of runway displacement.	10 Marks	L2	CO2
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