

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

SET B

**SCHOOL OF MANAGEMENT
END TERM EXAMINATION - JAN 2024**

Semester : Semester V - 2021
Course Code : BAV3011
Course Name : Air Traffic Control
Program : BBA Aviation Management

Date : 05-JAN-2024
Time : 1:00 PM - 4:00 PM
Max Marks : 100
Weightage : 50%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS

5 X 2M = 10M

1. Describe the purpose of ATC. (CO1) [Knowledge]
2. List the general objectives of Air Traffic Management system. (CO2) [Knowledge]
3. Define Clearance. Give an example. (CO3) [Knowledge]
4. Describe NEXGEN and its Aim. (CO4) [Knowledge]
5. Outline the advantage of precision weather information. (CO1) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

5 X 10 = 50

6. Explain the advantages of Air Traffic Management (ATM). (CO2) [Comprehension]
7. Summarize the communication procedures used during " Required reports, & Holding Instructions", with examples. (CO3) [Comprehension]
8. Distinguish between the various communication systems used by ATC. (CO1) [Comprehension]

9. Explain the role of Flight & Weather Information Systems.

(CO1) [Comprehension]

10. Explain Controlled and Uncontrolled Airspace Structure.

(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

2 X 20M = 40M

11. Describe the components of NEXGEN and Review its future in ATFM, Ground delay Programs, Aircraft Separation & Negotiated routes.

(CO3) [Application]

12. Illustrate the generic elements of ATC system with a suitable diagram.

(CO2) [Application]