

Roll No



**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF MANAGEMENT  
END TERM EXAMINATION - JUN 2023**

**Semester :** Semester II - 2022

**Course Code :** BAV3003

**Course Name :** Sem II - BAV3003 - Airport Operations Advanced

**Program :** BAV

**Date :** 19-JUN-2023

**Time :** 1.00PM - 4.00PM

**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**

**(10 X 2 = 20M)**

1. State the expansion of abbreviation - 'ORAT'. (CO1) [Knowledge]
2. Name the three type of terminals in cargo. (CO1) [Comprehension]
3. Describe Centralized and Decentralized screening system. (CO3) [Knowledge]
4. List the four forces that act on an aircraft. (CO4) [Comprehension]
5. Describe the operating constraint - Visibility. (CO1) [Knowledge]
6. Write the expansion of abbreviation - "ULD". (CO2) [Comprehension]
7. Recall the expansion of abbreviation - "CAR". (CO1) [Knowledge]
8. State the expansion of abbreviation - "ARFF". (CO4) [Comprehension]
9. Name the two type of body scanners and state their working principle. (CO3) [Comprehension]
10. Indicate any 4 contents of Air Way Bill. (CO2) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS**

**(4 X 10 = 40M)**

11. Discuss the history of air cargo. (CO2) [Comprehension]
12. Discuss the four forces acting on aircraft. (CO4) [Comprehension]
13. Explain the importance, History and implementation of Airport Security. (CO3) [Comprehension]
14. Interpret the process followed in assessing the pavement surface condition. (CO1) [Comprehension]

**PART C**

**ANSWER ALL THE QUESTIONS**

**(2 X 20 = 40M)**

15. Determine the framework of International regulations on aviation security. (CO2) [Comprehension]
16. Airport security is almost unbreachable, however if the security system is not implemented as per the requirement of the airport, it might end in a disaster. the airport security requirement can be determined by analyzing the different aspects like, size of the airport, type of airport, surroundings of the airport, etc., to analyze these aspects and determine the security requirements, one should know the different security systems available. interpret the different security screening options available, also explain the advantages and disadvantages of both options. (CO3) [Application]