



**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF COMMERCE

MID TERM EXAMINATION

Semester & AY: Even Sem 2021-22

Date: 13 /MAY/ 2022

Course Code : BAV 3003

Time: 10:00AM to 11:30AM

Course Name: Advanced Airline Operations

Max Marks: 50

Program & Sem: BBA (Aviation) IInd Sem

Weightage: 25%

Instructions:

(i) *Read the question carefully and answer all the questions*

Part A [Memory Recall Questions]

Answer all Questions. Each Question carries ONE mark.

(10Qx1M=10M)

1. Define "Operational Readiness"? (C.O.NO 1) [Knowledge]
2. Name a few Operational Facilities available in the airport? (C.O.NO 1) [Knowledge]
3. State Aerodrome certification? (C.O.NO 1) [Knowledge]
4. Recognize the full form of ULD. (C.O.NO 1) [Knowledge]
 - a) Unit Load Device b. Unit Lift Device
 - b) Utility Load Device d. Unit Loaded Devices
5. State Debris? (C.O.NO 1) [Knowledge]
6. Recognize the full form of RVR (C.O.NO 2) [Knowledge]
7. Recognize the full form of VFR & IFR (C.O.NO 1) [Knowledge]
8. Name the types of runways classified according to their ability to accept aircraft at different degrees of visibility? (C.O.NO 1) [Knowledge]
9. Revenue management can be defined as the application of pricing to increase the profit produced from a limited supply of _____ assets. (C.O.NO 1) [Knowledge]
10. Match the following. (C.O.NO 2) [Knowledge]

FOD	Unit Load Device
ULD	Valuable Cargo
VAL	Foreign Object Damage

Part B [Thought Provoking Questions]

Answer any all Questions. Each Question carries FIVE mark.

(5Qx5M=25)

11. Explain potentially hazardous pavement conditions and what makes jet aircrafts require additional attention to these hazards? (C.O.NO 1) [Comprehension]
12. Explain in brief about Integrated Cargo? And mention its principal characteristics?
13. Discuss Miniaturization?
14. Explain Just-In-Time
15. Identify the key aspects of maintaining readiness (C.O.NO 2) [Comprehension]

Part C [Thought Provoking Questions]

Answer all Question. The Question carries TEN marks.

(1Qx15M=15M)

16. Illustrate in brief about Types of Cargo. (C.O.NO 2) [Application]



**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF MANAGEMENT

END TERM EXAMINATION

Winter Semester : Even Sem 2021-22

Course Code : BAV3003

Course Name: Airport Operations Advanced

Program & Sem: BBA (Aviation) II Sem

Date: 1st July 2022

Time: 09:30 AM to 12:30 PM

Max Marks: 100

Weightage: 50%

Instructions:

(ii) *Read the question carefully and answer all the questions*

Part A [Memory Recall Questions]

Answer all the Questions. Each Question carries THREE marks.

(10Qx3M=30M)

17. Define "Mexico Convention" (C.O.NO 3) [Knowledge]
18. Name a few Operational Facilities available in the airport. (C.O.NO 1) [Knowledge]
19. Define "Annex 14". (C.O.NO 1) [Knowledge]
20. The crew must determine the airworthiness of the aircraft and address any open issues before _____. The term "_____" is typically used to describe the interior and exterior inspections of the aircraft, but in a general sense can be used to describe any activity involved with preparing the aircraft for departure. The aircraft inspection is usually divided among the cockpit crew and includes an exterior _____ examination, interior cockpit setup, and systems checks. (C.O.NO 4) [Knowledge]
21. Recall the key aspects of Maintaining Readiness? (C.O.NO 2) [Knowledge]
22. Match the following
- a) Tokyo Convention - 1970
- b) Hague Convention - 1963
- c) Montreal Convention - 1991
- d) Mexico Convention - 1971 (C.O.NO 3) [Knowledge]
23. Define Integrated Cargo in general. (C.O.NO 2) [Knowledge]
24. Once the agent moves the _____ out of the way, the push-back crew advises the cockpit that the wheel chocks are removed and that it is safe to release the _____. The captain acknowledges the release of the parking brake and signals the first officer to call ramp control or ATC for _____. (C.O.NO 4) [Knowledge]
25. You can travel with your medication only in your checked baggage. Medication is usually screened by X-ray; however, if a passenger does not want a medication X-rayed, he or she may ask for a visual inspection instead. This request must be made before any items are sent through the X-ray tunnel. Recognize the false term used in the above statement. (C.O.NO 3) [Knowledge]
26. Name the types of runways classified according to their ability to accept aircraft at different degrees of visibility. (C.O.NO 1) [Knowledge]

Part B [Thought Provoking Questions]

Answer all the Questions. Each Question carries FIVE marks.

(5Qx8M=40M)

27. On bay, no 25 aircraft parked as halt flt, and all maintenance worked done and the A/C is ready for the base departure, before starting the ground operations the Cockpit crew must carry Pre-Flight check. Being a Cockpit crew explain the Pre- Flight procedure for the base flt.
(C.O.NO 4) [Comprehension]
28. With the expected growth in air transportation, we will need to make greater efforts and adopt new measures to continue improving aviation safety. The use of Safety Management Systems (SMS) at airports can contribute to this effort by helping airports detect and correct safety problems before they result in aircraft accidents or incidents. Discuss how does a Safety Management System ensure the safety component in airports?(C.O.NO 1) [Comprehension]
29. Discuss about modern cargo terminal design with examples? (C.O.NO 2) [Comprehension]
30. Imagine you are traveling with SpiceJet from BLR-DEL, you are done with your check-in process, and then proceeding towards SHA, after the security check you are waiting at the boarding gate. Tell us what type of gate search did BIAL following.
Explain the Advantage and disadvantages of Centralized and Gate search.
(C.O.NO 3) [Comprehension]
31. Once all the ground activities are completed all equipment is removed for a turnaround flight, the aircraft is ready for push back, a tow truck is aligned and the tow bar is connected, explain at what phase the aircraft was, and discuss the Gate Departure procedure for the aircraft.
(C.O.NO 4) [Comprehension]

Part C [Problem Solving Questions]

Answer both the Question. Each Question carries FIFTEEN marks.

(2Qx15M=30M)

16. Unlike passengers, who merely require information and directions to flow through all but the largest terminals, freight is passive and must be physically moved from landside to airside and vice versa. The system used to achieve this physical movement will depend on the degree of mechanization to be used to offset personnel costs. Explain the three types of the mechanism used and how is Cargo Handled within the terminal (C.O.NO 2) [Application]
17. As an airport operator, if your airport poses a bird strike threat
- Illustrate the countermeasures would you take.
 - Predict if dispersing and expulsion would still be required?
 - Being an airport operator, illustrate how would you be able to take effective action to stop bird threat?
- (C.O.NO 3) [Application]