



PRESIDENCY UNIVERSITY

BENGALURU

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End - Term Examinations – MAY 2025

Date: 23-05-2025

Time: 01:00 pm –04:00 pm

School : SOM-UG	Program: BBA (AVIATION MANAGEMENT)	
Course Code : BAV3006	Course Name: AIR CARGO & LOGISTICS	
Semester: IV	Max Marks: 100	Weightage: 50%

CO - Levels	C01	C02	C03	C04	C05
Marks	4	26	26	26	33

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.

10Q x 2M=20M

1.	Name two types of air cargo.	2 Marks	L1	C01
2.	Define Airway Bill.	2 Marks	L1	C01
3.	Recall the expansion of “GDP” & “GMP”?	2 Marks	L1	C02
4.	Define supply chain management.	2 Marks	L1	C02
5.	Describe Why real-time tracking important in air cargo security?	2 Marks	L1	C03
6.	List out any 2 types of risks in air cargo	2 Marks	L1	C03
7.	List the four levels of HFACS.	2 Marks	L1	C04
8.	Mention one tool used to detect potential threats early in air cargo management.	2 Marks	L1	C04
9.	Describe the working principle of RFID in tracking consignments.	2 Marks	L1	C05
10.	List a primary function of robots in warehouses?	2 Marks	L1	C05

Part B

Answer ALL the Questions. Each question carries 7 Marks.

Total Marks 35M

11.	a.	Discuss the main challenges faced by supply chain managers in the post-pandemic world?	07 Marks	L2	C02
Or					
12.	a.	Compare passive and active cooling systems used in cool chain logistics. Discuss their advantages, disadvantages, and suitability for different types of cargo.	07 Marks	L2	C02
13.	a.	Review the Known Shipper Program and evaluate its effectiveness in preventing terrorist threats in air cargo operations.	07 Marks	L2	C03
Or					
14.	a.	Summarize how labelling helps during cargo transport emphasis on 'Cryogenics' label and its transportation.	07 Marks	L2	C03
15.	a.	Describe how do organizational influences contribute to human error according to HFACS?	07 Marks	L2	C04
Or					
16.	a.	Compare the effectiveness of proactive versus reactive strategies in human error control.	07 Marks	L2	C04
17.	a.	Explain how RFID improves inventory visibility.	07 Marks	L2	C05
Or					
18.	a.	Describe how a warehouse could use AI-powered vision systems in quality control during the order fulfillment process.	07 Marks	L2	C05
19.	a.	Explain potential risks of relying too heavily on AI for demand forecasting?	07 Marks	L2	C05
Or					
20.	a.	Describe the difference between AGVs and AMRs in terms of navigation and adaptability.	07 Marks	L2	C05

Part C

Answer any Three Questions. Each question carries 15 marks

3Q x 15M=45M

21.	a.	Sketch the key components of supply chain management. How do information flow, logistics, inventory management, and supplier relationships contribute to an efficient supply chain?	15 Marks	L3	C02
22.	a.	Illustrate the concept of Dangerous Goods Regulation (DGR) and its significance in air cargo operations. Include examples of goods classified under DGR and describe how they are safely handled and transported	15 Marks	L3	C03
23.	a.	Apply the HFACS framework to a real or hypothetical scenario in which a major inventory error occurred. Identify and analyze the latent failures that contributed to the incident.	15 Marks	L3	C04
24.	a.	Demonstrate how to decide between using human labor and robotics for performing repetitive tasks in a warehouse setting.	15 Marks	L3	C05