



Question Bank

Details of the Course

Academic Year	:2025-2026
Regulation	:2024
Name of the Department	:Electronics and Communication Engineering
Name of the Course	:Aviation Management
Course Code	:OAE351
Semester	:VII
Common To Programme(s)	:ECE

Course Outcome:(List the Course Outcomes of the Course)

At the end of the course the students would be able to

1. To interpret business difficulties.
2. To dissect multicultural conditions.
3. To identify and apply the relevant analytical and logical skills to deal with problems in the airline industry.
4. To develop well in teams, professionalism etc.,
5. To apply the knowledge acquired in the field of airport planning, airport security, passengers forecasting, aerodromes work etc.,

Bloom's Level: BL1-Remembering, BL2-Understanding, BL3-Appling, BL4-Analyzing, BL5-Evaluating, BL6-Creating.

UNIT-I INTRODUCTION				
PART-A(2Marks)		Bloom'sLevel	Course Outcome	Marks Allotted
1.	Define aviation.	BT-1	[CO1]	[2]
2.	Define Aviation management.	BT-1	[CO1]	[2]
3.	List some major players in the airline industry.	BT-1	[CO1]	[2]
4.	What are the main opportunities in SWOT for airline industry in the coming decades?	BT-2	[CO1]	[2]
5.	Explain greenfield and brownfield airport development.	BT-2	[CO1]	[2]
6.	What are the major challenges in airline industry?	BT-1	[CO1]	[2]
7.	List the important strengths of airline industry.	BT-1	[CO1]	[2]
8.	How does climate change pose a threat to the aviation sector?	BT-4	[CO1]	[2]
9.	Discuss the ethical concerns associated with aviation management.	BT-2	[CO1]	[2]
10.	List some competition factors in aviation industry.	BT-1	[CO1]	[2]
Descriptive Questions(13/15Marks)				
1.	Explain in detail the history of aviation-in global and Indian perspective.	BT-1	[CO1]	[13]
2.	Discuss in detail about the major players in airline industry.	BT-1	[CO1]	[13]
3.	Analyse the market potential of airline industry in india - domestic and international airlines.	BT-4	[CO1]	[13]
4.	Discuss in detail the new airport development plans.	BT-1	[CO1]	[13]

5.	a)Elaborate the current challenges in the airline industry. b)Discuss the competition in airline industry.	BT-2	[CO1]	[7] [6]
6.	Explain the aspects of organizational, global, social, and ethical environment in aviation.	BT-1	[CO1]	[15]
7.	Perform SWOT analysis of different airline companies in India.	BT-4	[CO1]	[15]

UNIT-II AIRPORT INFRASTRUCTURE AND MANAGEMENT

PART–A(2Marks)		Bloom'sLevel	Course Outcome	Marks Allotted
1.	Mention the steps in airport planning.	BT-1	[CO2]	[2]
2.	What are the main areas in airport infrastructure?	BT-1	[CO2]	[2]
3.	What is AAI? List its functions.	BT-1	[CO2]	[2]
4.	Describe the roles involved in operations department in the organizational structure of airports.	BT-2	[CO2]	[2]
5.	Explain various terminal configurations.	BT-2	[CO2]	[2]
6.	What is ATC?	BT-1	[CO2]	[2]
7.	Define privatization.	BT-1	[CO2]	[2]
8.	Discuss UDAN-RCS scheme.	BT-1	[CO2]	[2]
9.	Discuss the airport functions in detail.	BT-1	[CO2]	[2]
10.	Distinguish between full and partial privatization.	BT-2	[CO2]	[2]

Descriptive Questions(13/15Marks)

1.	Describe airport planning in detail.	BT-1	[CO2]	[13]
2.	Elaborate on terminal planning, design, and operation.	BT-1	[CO2]	[13]
3.	Discuss in detail various airport operations and functions.	BT-2	[CO2]	[13]
4.	With a neat sketch, explain the organizational structure in an airline.	BT-1	[CO2]	[13]
5.	Compare global and Indian airport management.	BT-2	[CO2]	[13]
6.	What is AAI? Discuss in detail its roles and duties.	BT-1	[CO2]	[15]
7.	Define privatization. Explain in detail full, partial, and gradual privatization.	BT-1	[CO2]	[15]

UNIT-III AIR TRANSPORT SERVICES

PART–A(2Marks)		Bloom'sLevel	Course Outcome	Marks Allotted
1.	Distinguish between domestic and international airports.	BT-2	[CO3]	[2]
2.	Give some examples of international airports.	BT-1	[CO3]	[2]
3.	List key features of Hyderabad's Rajiv Gandhi International Airport.	BT-1	[CO3]	[2]
4.	Discuss the role of private operators in aviation.	BT-2	[CO3]	[2]
5.	Explain the check-in process in detail.	BT-2	[CO3]	[2]
6.	Discuss the economic concerns associated with air transport.	BT-2	[CO3]	[2]
7.	What are some highlights of Kempegowda International Airport in Bangalore?	BT-1	[CO3]	[2]
8.	Identify two key aspects of airport terminal operations.	BT-1	[CO3]	[2]

9.	What is the name of Mumbai international airport? List the important features of the same.	BT-1	[CO3]	[2]
10.	What is the name of Delhi international airport? List the important features of the same.	BT-1	[CO3]	[2]
Descriptive Questions(13/15Marks)				
1.	Discuss in detail the various airport services with respect to passengers, employers, and economy.	BT-2	[CO3]	[13]
2.	Compare the air transport services rendered at International and Indian levels.	BT-2	[CO3]	[13]
3.	Explain the role of private operators in aviation industry.	BT-2	[CO3]	[13]
4.	Explain the airline operations in the following airports: a)Delhi International Airport b)Bengaluru International Airport	BT-2	[CO3]	[7] [6]
5.	Explain the airline operations in the following airports: a)Mumbai International Airport b)Hyderabad International Airport	BT-2	[CO3]	[7] [6]
UNIT-IV INSTITUTIONAL FRAMEWORK				
PART–A(2Marks)		Bloom'sLevel	Course Outcome	Marks Allotted
1.	Expand DGCA and describe its roles.	BT-1	[CO4]	[2]
2.	What is slot allocation in aviation?	BT-1	[CO4]	[2]
3.	How does AFC contribute to slot allocation?	BT-4	[CO4]	[2]
4.	What is bilateral ASA management?	BT-1	[CO4]	[2]
5.	How does DGCA manage bilateral agreements?	BT-2	[CO4]	[2]
6.	What are the economic regulations in aviation?	BT-1	[CO4]	[2]
7.	What is the purpose of regulating fares in the aviation industry?	BT-2	[CO4]	[2]
8.	What is the significance of air traffic rights in bilateral agreements?	BT-1	[CO4]	[2]
9.	How does DGCA coordinate with international aviation bodies?	BT-2	[CO4]	[2]
10.	What challenges are associated with slot allocation in congested airports?	BT-1	[CO4]	[2]
Descriptive Questions(13/15Marks)				
1.	Explain the role of DGCA in detail.	BT-1	[CO4]	[13]
2.	Discuss the importance of regulatory bodies. Explain the functioning of any two regulatory bodies in aviation management.	BT-1	[CO4]	[13]
3.	Elaborate the methodologies followed by AFC and DGCA.	BT-1	[CO4]	[13]
4.	Discuss in detail the institutional framework of airline industry.	BT-2	[CO4]	[13]
5.	Analyse the regulatory measures taken towards economy in aviation sector.	BT-4	[CO4]	[13]
6.	Define slot allocation. What are the contributions of DGCA and AFC to slot allocation?	BT-1	[CO4]	[15]
UNIT-V CONTROLLING				
PART–A(2Marks)		Bloom'sLevel	Course Outcome	Marks Allotted
1.	What are NAVAIDs in aviation?	BT-1	[CO5]	[2]
2.	How is airspace classified for air traffic control?	BT-2	[CO5]	[2]

3.	What is the function of ILS?	BT-1	[CO5]	[2]
4.	How do ATCs handle emergency situations?	BT-2	[CO5]	[2]
5.	Describe the function of ATC in managing departures and arrivals.	BT-2	[CO5]	[2]
6.	Analyse the impact of Mumbai and Delhi airport privatization.	BT-4	[CO5]	[2]
7.	How does the Navi Mumbai airport project impact the region?	BT-2	[CO5]	[2]
8.	What are the benefits of privatizing airports in india?	BT-1	[CO5]	[2]
9.	What are the control processes used by ATC to manage air traffic?	BT-1	[CO5]	[2]
10.	How does fuel price volatility impact the airline industry?	BT-2	[CO5]	[2]

Descriptive Questions(13/15Marks)

1.	What is ATC? Explain how ATC handles departures, arrivals, and emergency situations.	BT-1	[CO5]	[13]
2.	Explain the control process involved for smooth running of airlines with neat sketch.	BT-2	[CO5]	[13]
3.	Write short notes on the following: a) Mumbai airport privatization. b) Delhi airport privatization.	BT-2	[CO5]	[7] [6]
4.	Briefly explain the Navi Mumbai airport tendering process.	BT-2	[CO5]	[13]
5.	Apply the concepts of blockchain technology and game of drones in the given case study- “Norwegian Air: Revolutionizing Long Haul Travel”	BT-3	[CO5]	[15]