

C-2126

Sub. Code

92021

M.B.A. DEGREE EXAMINATION, APRIL 2024

Second Semester

Airline and Airport Management

HUMAN RESOURCE MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Human Resource management.
2. What is Human Resource planning?
3. Define job design.
4. What is job description?
5. What is performance appraisal?
6. Write any two importance of man power training.
7. Write the mode of compensation plan.
8. State different types of employee compensation.
9. Define trade union.
10. State the features of grievances.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain functions of personnel management.

Or

- (b) Discuss the process of man power planning.

12. (a) Explain the uses of job analysis.

Or

- (b) Explain various methods of recruitment in aviation industry.

13. (a) Differentiate between traditional and modern methods of appraisal.

Or

- (b) Explain methods and steps of performance appraisal.

14. (a) Explain the nature and objectives of compensation.

Or

- (b) What do you mean by incentive payments? Discuss its types.

15. (a) Explain the term grievances. Explain their various sources.

Or

- (b) Highlight the evolution of trade union.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the evolution of human resource management in detail.

Or

- (b) Discuss the various internal and external sources of recruitment.

17. (a) Discuss various on-the-job and off-the-job training methods.

Or

- (b) What are your strategies for successful transfer and separation?

18. (a) Discuss the various steps involved in determining man power requirement.

Or

- (b) What are the elements of an effective grievance redressal system? Why it is necessary?
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92022

M.B.A. DEGREE EXAMINATION, APRIL 2024

Second Semester

Airline and Airport Management

BUSINESS RESEARCH METHODS

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are the sources of Research Problem?
2. What is sampling design?
3. Define 'Concept of Measurement'.
4. What might be the limitations of Turnstone Scale?
5. What are the different types of questions used in a questionnaire?
6. Why pilot study is made?
7. What is 'Z test'?
8. What do you mean by 'Sign test'?
9. State the essentials of a good research report.
10. Give the layout of a research report.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the scope of business research.
Or
(b) Discuss the characteristics of a good sample design.
12. (a) Define Hypothesis. Explain its variants.
Or
(b) Briefly discuss the Comparative Scaling Techniques.
13. (a) Briefly explain the Data Collection Methods.
Or
(b) Discuss the different tools of data processing.
14. (a) Explain about for square test and state the precautions needs in applying chi square test.
Or
(b) Describe the U Test and its uses in research.
15. (a) Describe the design of a good research report.
Or
(b) What are the norms in using tables, charts and diagrams?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail the different steps involved in research process.
Or
(b) Explain the concept and critically of probability and non probability sampling designs in Business Research.

17. (a) Explain the construction of somatic differential scale.

Or

(b) What is ANOVA? Describe in detail about the one way ANOVA.

18. (a) Explain the steps involved in designing a questionnaire.

Or

(b) Oral presentation requires the researcher to be good public speaker explain.

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92023

M.B.A. DEGREE EXAMINATION, APRIL 2024

Second Semester

Airline and Airport Management

QUANTITATIVE TECHNIQUES

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write short notes on :
 - (a) Linearity
 - (b) Feasible solution
2. Define Non-Feasible solution.
3. What is Vogel's Approximation Method (VAM)?
4. What is transportation problem?
5. Define Preventive replacement.
6. What is replacement?
7. Define PERT.
8. What is CPM?

9. Draw a network diagram from the following information:

Activity	Predecessor	Time (weeks)
A	-	5
N	A	4
C	A	1
D	B	8
E	C	9
F	D and E	4

10. What is queue?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Solve the following linear programming problem by graphic method.

$$\text{Maximize } Z = 2x_1 - 3x_2$$

$$\text{Subject to } 4x_1 + 5x_2 \leq 40$$

$$2x_1 + 6x_2 \leq 24$$

$$3x_1 - 3x_2 \geq 6$$

Or

(b) ABC Ltd produces four products P_1 , P_2 , P_3 , and P_4 . Each one of these products has to be processed on three machines X, Y, Z. The capacity of the machines and the time required to manufacture one of each type of products are shown in the table below:

Product	Processing time for production		
	Machine X	Machine Y	Machine Z
P_1	2	4	3
P_2	3	2	2
P_3	4	1	2
P_4	3	1	1
Capacity (hours)	800	600	420

The profit contribution/unit of products P_1 , P_2 , P_3 and P_4 are Rs. 8, 6, 4 and 2 respectively.

You are required to formulate the above as a LPP and determine the optimal product mix by using simplex method.

12. (a) Find the initial basic feasible solution of the following transportation problem with the help of North-West Corner rule.

	A	B	C	
	11	21	16	14
	07	17	13	26
	11	23	21	36
	18	28	25	

Or

- (b) Find the initial basic feasible solutions of the following transportation problem using least cost method.

	W_1	W_2	W_3	W_4	Factory Capacity
F_1	30	25	40	20	100
F_2	29	26	35	40	250
F_3	31	33	37	30	150
Warehouse requirement	90	160	200	50	

13. (a) What is no passing rule in a sequencing algorithm?

Or

(b) Solve the following sequencing problem when passing off is not allowed:

Job	Machine	Processing time in hours			
		A	B	C	D
I		15	5	4	15
II		12	2	10	12
III		16	3	5	16
IV		17	3	4	17

14. (a) Draw a network if the following details of activity and duration are provided. Also, find the critical path and project duration.

Activity	Duration (weeks)	Activity	Duration (weeks)
1-2	3	5-8	3
1-3	4	6-7 (dummy)	0
1-4	2	7-9	3
2-5 (dummy)	0	8-11	4
3-5	3	9-10	2
4-5 (dummy)	0	9-11	5
5-6	1	10-11 (dummy)	0
5-7	2	11-12	3

Or

- (b) The time estimates (in weeks) for the activities of a PERT network are given below.

Activity	T	t_m	t_p
1-2	1	1	7
1-3	1	4	7
1-4	2	2	8
2-5	1	1	1
3-5	2	5	14
4-6	2	5	8
5-6	3	6	15

- (i) Draw the project network and identify all the paths.
- (ii) Calculate the standard deviation and variance of the project.
15. (a) A branch library of State Library has only one clerk. The clerk is expected to perform various duties of issuing the books which are randomly distributed and can be approximated with Poisson's distribution. He is able to issue 12 books per hour. The readers arrive at the rate of 10 per hour during the 10 hours the library is open. Determine
- (i) Idle rate of the clerk;
- (ii) %time that the student has to wait;
- (iii) Average system time.

Or

- (b) Describe briefly the replacement model to explain the importance of Replacement Policy in an organization.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) A truck owner finds from his past experience that the maintenance cost Rs.200 for the first year and then increases by Rs.2,000 every year. The cost of the truck type A is Rs.9,000. Determine the best age at which to replace the truck. Truck B type costs Rs.10,000. Annual maintenance costs are Rs.400 and increases by Rs.800 every year. The truck owner now has truck type A, which is one year old. Should it be replaced by type B and if so, when?

Or

- (b) Maximize $Z = 4x + 8y$

Subject to $-3x + 6y \leq 18$

$2x - 6y \leq -6$

$x, y > 0$

17. (a) Eight jobs A, B, C, D, E, F, G and H arrive at one time to be processed on a single machine. Find out the optimal job sequence, when their operation time is given in the table below:

Job (n) Operation time in minutes

A	16
B	12
C	10
D	8
E	7
F	4
G	2
H	1

Or

- (b) The mortality rates have been observed for certain type of light bulbs:

End of week	1	2	3	4	5
Percentage failing	10	20	50	70	100

There are 1000 bulbs in use and it costs Rs.10 to replace an individual bulb which has been burnt out. If all the bulbs are replaced simultaneously, it would cost Rs.5 per bulb. It is proposed to replace all the bulbs at fixed intervals whether they have fixed or not and to continue replacing fused bulbs as and when they fail. At what intervals should all the bulbs be replaced so that the proposal is economical?

18. (a) A factory manufacturing tanks for military use has a separate tool room where Special Maintenance Tools (SMTs) are stored. The average time between requirements of a tool from tool room is 10 minutes and this follow the Poisson's distribution. Average service time of the storekeeper is 9 minutes. Determine,
- (i) Average queue length
 - (ii) Average length of non-empty queues
 - (iii) Average number of mechanics in the system including one who is being attend to
 - (iv) Mean waiting time of mechanic
 - (v) Average waiting time of mechanic
 - (vi) Whether there is a need of employing another storekeeper so that cost of storekeeper idle time and mechanics waiting is reduced to the minimum. Assuming that a skilled mechanic cost Rs. 10 per hour and the storekeeper cost Rs. 1 per hour.

Or

- (b) A marketing manager has 5 salesmen and 5 districts. Considering the capabilities of the salesman and the nature of districts, the marketing manager estimates that sales figures per month (in hundred rupees) for each salesman in each district would be as follows:

Salesman	Districts				
	A	B	C	D	E
1	30	38	40	28	40
2	40	24	28	21	36
3	41	27	33	30	37
4	22	38	41	36	36
5	29	33	40	35	39

Find the assignment of salesman to districts that will result in maximum sales.

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92024

M.B.A. DEGREE EXAMINATION, APRIL 2024

Second Semester

Airline and Airport Management

PRINCIPLES OF AVIATION MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Describe the aviation in mnemonically
2. Write some of the benefits of the air transport.
3. What is meant by airport terminal?
4. What do you mean by open sky policy?
5. Why is passenger screening is important?
6. What are the types of airport regulation?
7. What does NBAA stand for?
8. State the meaning of fractional ownership of aircraft.
9. What do you mean by airport master plan?
10. What does ARTCC stand for?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What is the role of aviation industry in the economic development of any country.

Or

- (b) Draw the line department chart.

12. (a) Describe the functional management area in an airport.

Or

- (b) Enumerate the factors that influence the location of an airport.

13. (a) Explain about the Airport Regulatory techniques.

Or

- (b) Explain about the good regulatory practices.

14. (a) Write the short note about Instructional aviation.

Or

- (b) Describe the nature of markets for general aviation.

15. (a) Why do governments privatize airports?

Or

- (b) Explain about the airport congestion issue.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the Function of airport organization.

Or

- (b) Explain about terminals of airport. List out their functions.

17. (a) Explain in detail about screening of passengers and baggage.

Or

- (b) Describe about Runways and Taxiways regarding its purpose and operation.

18. (a) Write in detail about commercial and industrial aviation.

Or

- (b) Describe Air Traffic control operation in the three phases of light.
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C-2130

Sub. Code

92025

M.B.A. DEGREE EXAMINATION, APRIL 2024

Second Semester

Airline and Airport Management

AIR CARRIER OPERATIONS

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is route authorization?
2. What is meant by Maintenance of operation?
3. What are the requirements for airman?
4. Expand AQP and FOQA.
5. What is meant by maximum time "On Duty"?
6. What are the airplanes used in part 121 operations?
7. What is meant by landing minimums?
8. Explain about alcoholic beverages and its service in flights.
9. Explain about Record and reports (part 121).
10. What is meant by flight training?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about Airplane terminal instrument procedures.

Or

- (b) What is meant by Route authorizations?

12. (a) What is the qualifications required to become a crewmember?

Or

- (b) Explain about line operating flight time.

13. (a) Explain about one engine inoperative condition.

Or

- (b) Explain about Destination and alternate airports.

14. (a) Explain about the flat operation fuel requirements.

Or

- (b) Explain the use of certified land airports.

15. (a) Explain about record keeping requirements in maintenance.

Or

- (b) Explain about proficiency check requirements.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain about air carrier certification and how it is obtained in detail.

Or

- (b) Explain about Flight operations Quality Assurance in detail.

17. (a) Explain about access and distribution of manuals and explain about the requirement of manuals in detail.

Or

- (b) Explain about General aircraft requirements and also write about takeoff limitations in detail.

18. (a) What is meant by prohibition against interference with crew members and write about exit seating in detail.

Or

- (b) What is the requirements of fuel for
- (i) Domestic
 - (ii) Flat operation
 - (iii) Landing minimums? Explain in detail.
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C-2133

Sub. Code

92026

M.B.A. DEGREE EXAMINATION, APRIL 2024

Second Semester

Airline and Airport Management

AIRLINE AND AIRPORT MARKETING

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write short notes on marketing mix?
2. What are the segmentation variable in air passenger market?
3. What is revenue management system?
4. What are the features of customer service?
5. What is relationship marketing?
6. Write short notes on GDS and its benefits?
7. What is air transport value chain?
8. Difference between channel leader and gate guardian.
9. What is airport concessionaires?
10. What are the objectives of airport marketing plan?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain briefly about Porter's competitive forces.

Or

- (b) Write briefly about airline alliance.

12. (a) Explain about air freight product.

Or

- (b) Explain briefly about building blocks in airline pricing.

13. (a) Explain briefly about brand building in airline industry.

Or

- (b) What are the components of relationship marketing strategy?

14. (a) Write briefly about actors of air transport value chain?

Or

- (b) Explain about the choice of airport.

15. (a) Write briefly about Airport concessionaires.

Or

- (b) Explain briefly about non-aviation business by airports.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about PESTE Analysis.

Or

(b) Explain about customer related product features.

17. (a) Explain in detail about airline selling, advertising and promotional policies.

Or

(b) Explain in detail about airport market positioning.

18. (a) Explain about the case study of London airport.

Or

(b) Explain in detail about pricing methods.

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Sub. Code

92027

M.B.A. DEGREE EXAMINATION, APRIL 2024

Second Semester

Airline and Airport Management

PRINCIPLES OF LOGISTICS MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is transportation Packaging?
2. What do you mean by Inventory Valuation?
3. Define E-business.
4. Define the supply chain macro processes in a firm.
5. What do you mean by containerization?
6. Define out sourcing.
7. Write any two importance of Logistics is to E-Commerce.
8. Define communication.
9. Define ABC.
10. What is Activity based costing in Logistics?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain Various Functions of Logistics System.

Or

- (b) Explain the role of logistics in Aviation Industry.

12. (a) Explain the criteria to evaluate supplier in a supply chain.

Or

- (b) What are world class supply chains and how does location influence these supply chains?

13. (a) What are basic functional principles of transportation management?

Or

- (b) Write a short note on 'Role of Logistics in distribution'.

14. (a) Explain strategic Logistics planning with suitable example.

Or

- (b) Explain Role of Technology in improving E-Commerce Logistics.

15. (a) Explain importance of Logistics cost in Aviation Industry.

Or

- (b) Write a short note 'Traditional costing method' in Logistics.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the concept of value advantage. How value advantage can be achieved through managing logistics effectively.

Or

- (b) Explain the inventory control procedure.
17. (a) What are the market-related factors influencing transport costs in logistics operations?

Or

- (b) How does packaging, containerization and material handling lead to channel integration in physical distribution.
18. (a) Discuss the economics Justification for establishing a warehouse.

Or

- (b) Discuss the importance of E-commerce and differentiate it from traditional model.
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C-2135

Sub. Code

92031

M.B.A. DEGREE EXAMINATION, APRIL 2024

Third Semester

Airline and Airport Management

AVIATION AND AIRPORT SECURITY

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define the term ICAO.
2. Define the term threat warning.
3. What is Counter Terrorism?
4. Name four screening devices that are used in airport.
5. What is taggant?
6. What is the US standard for radiation exposure?
7. What is the purpose of aviation safety assessment program?
8. Define airmail security.
9. What is the need for biometric systems?
10. What is the need of body orifice security scanner?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Discuss about Montreal-Bonn agreement.

Or

- (b) Detail about the new airport operator rules.

12. (a) Explain about the Federal Air marshal program.

Or

- (b) Explain the concept of profiling system of hijacker in airport.

13. (a) Explain about the Airborne aircraft security.

Or

- (b) Explain about the potential operator concerns in airport screening.

14. (a) Write a note about selectee class stop and frisk search.

Or

- (b) Write a note about TSA Inspection of Airports.

15. (a) Write a note about Intelliscan™ 12000 Metal Detector.

Or

- (b) Describe about Biosimmer™ Quadruple Resonance.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail with example about Crimes against Humanity.

Or

- (b) Explain the consequence of 9/11 event to the aviation industry.

17. (a) What is hand held metal detector? Explain the procedure for selecting hand held metal detector.

Or

- (b) Write a note on following :

- (i) Individual stop and frisk search
- (ii) Non violent threats

18. (a) Differentiate blast containment and blast management.

Or

- (b) Describe briefly about principle and operation of FACEIT access control in Airport.

C-2136

Sub. Code

92032

M.B.A. DEGREE EXAMINATION, APRIL 2024

Third Semester

Airport and Airline Management

STRATEGIC AIRPORT PLANNING

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the advantage of airport planning?
2. What are some of the challenges in airport development?
3. What is airline decision-making?
4. What are the benefits of airports?
5. What is airport economics?
6. What is an airport design?
7. What is the importance of airport chart?
8. What are the three major components of airport?
9. What are the basic concepts of air traffic control?
10. What is ground access in airport?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) List out the environmental impacts of airport planning.

Or

- (b) What is risk management and its objectives?

12. (a) List out the Steps for good decision-making in airline.

Or

- (b) What are the revenues for airport and how to generate?

13. (a) List out the components of typical airport system.

Or

- (b) Write the elements of runway design standards.

14. (a) Write the significance of Touchdown zone light.

Or

- (b) List out the different types of airport managers.

15. (a) What is parallel parking and remote parking?

Or

- (b) Discuss about the passenger processing facility.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss about the Economic and political role of airports.

Or

- (b) Explain about the environmental factors of water quality issues and air quality issues.

17. (a) List out the operational concept of global air traffic management.

Or

- (b) Describe about the weather briefing.

18. (a) Discuss about the in-runway lighting system.

Or

- (b) List out the primary duties of airport manager.
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C-2137

Sub. Code

92033

M.B.A. DEGREE EXAMINATION, APRIL 2024

Third Semester

Airport and Airline Management

AIRLINE FINANCE MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are the methods of finance?
2. List out the four basic factors in airline finance management.
3. What are the sources of long-term funds?
4. What is an example of equity capital?
5. What is the valuation method of airlines?
6. What are five tangible and intangible assets?
7. What is the impact of privatization on airport?
8. What is the airline budget process?
9. Write the Characteristics of aircraft lease?
10. Define Wet Lease.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write short note on Airline specific financial planning and analysis tool.

Or

- (b) What are the limitations of financial statement analysis?

12. (a) Write short note on Equity Capital Market.

Or

- (b) What are the steps for public issue of share?

13. (a) Write short note on payback period method of capital budgeting.

Or

- (b) Write the significance of Capital budgeting.

14. (a) List out various objectives when making a airline budget.

Or

- (b) Discuss about the fuel budgeting.

15. (a) Write the importance of Equipment Trust Certificates.

Or

- (b) Mention the Advantages and Disadvantages of an Operating Lease.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe about the Functions of financial management.

Or

- (b) Discuss about the passenger revenue and cargo revenue.

17. (a) What are the four basic sources of long-term funds?

Or

- (b) What is venture capital and its types?

18. (a) Explain the advantages of working capital financing.

Or

- (b) List out the Source of funds (Internal and External) for Airlines?
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C-2138

Sub. Code

92034

M.B.A. DEGREE EXAMINATION, APRIL 2024

Third Semester

Airline and Airport Management

AIRPORT OPERATIONS MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What you meant by safety emergency?
2. Define low-cost airport.
3. Write short note on fast travel programme.
4. Who are all called passengers with reduced mobility?
5. Brief about baggage security.
6. What is an interim expense?
7. Define SICA.
8. What is mean by cost control measures?
9. What is safety personal protective equipment?
10. What are the threats for airside safety?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) List the primary objectives of an airline and a station.

Or

- (b) Briefly explain about AOC.

12. (a) Write a short note on SPT.

Or

- (b) Explain the need and purpose of document verification in passenger handling system.

13. (a) Carry out an analysis of baggage mishandlings.

Or

- (b) Explain about the role and responsibilities of baggage service staff.

14. (a) Short notes on :

(i) The hygiene audit

(ii) The crew food.

Or

- (b) Explain about standard in flight catering agreement.

15. (a) How to improve passenger safety in airline industry?

Or

- (b) Explain about safety precaution on checking Ground Service Equipment (GSE).

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss about contingency planning and emergency response plans.

Or

- (b) Discuss about Budgets and Airport Revenue in Airline Management.

17. (a) How many stages of baggage handlings are there? Explain in detail.

Or

- (b) Discuss the do's and don'ts of fire emergency situation.

18. (a) List and explain the passengers who may need special assistance at the airport.

Or

- (b) What are the tools in Mitigating Safety Risk in Airside Safety System?
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Sub. Code

92035

M.B.A. DEGREE EXAMINATION, APRIL 2024

Third Semester

Airline and Airport Management

AIR CARGO MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What do you understand by GAGAN?
2. What are the different kinds of carriers?
3. Define pooling.
4. What is a time charter?
5. What do you understand by the term 'priority service'?
6. List some of the prohibited items for airfreight.
7. What is shipper's Export Declaration?
8. Why do exporters need dock and warehouse receipts?
9. Name the apex body of freight forwarders.
10. Define TACT.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What do you mean by dangerous goods? List then with examples.

Or

- (b) How has air transport brought in a positive influence on logistics?

12. (a) What is air cargo elasticity and what are the influencers behind it?

Or

- (b) What is cargo insurance and list the types of cargo loading?

13. (a) What is the load and trim process in cargo loading? Why is this process necessary?

Or

- (b) Elaborate in detail about the air cargo loading limitations.

14. (a) Discuss the significance of airway bills in documentation.

Or

- (b) Analyse the various conditions of contract.

15. (a) Elaborate the role of AAI.

Or

- (b) Discuss the various roles of OAG.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain how technology has impacted the aviation industry also.

Or

- (b) Explain in detail about airfreight consolidation and explain why it is beneficial.

17. (a) Enumerate SITA and how it helps in managing the infrastructure of airlines and IT.

Or

- (b) Enumerate ULD and its various aspects on loading cargo.

18. (a) Explain the role of intermediaries in aircargo industry.

Or

- (b) Explain the various utility created by air transportation.

C-2140

Sub. Code

92036

M.B.A. DEGREE EXAMINATION, APRIL 2024

Third Semester

Airline and Airport Management

FUTURE AVIATION SYSTEMS

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define privatization.
2. What are the business issues in information management?
3. What are the types of system approach?
4. Write down the objective of cockpit display.
5. What is mental model?
6. Compare between human and machine interface.
7. How do survey nowadays air traffic control?
8. What is oceanic operation?
9. Define Ergonomic principles.
10. What is mean by the short term impact?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Describe about the gate to gate concept.

Or

- (b) Explain the SE in the manufacturing process.

12. (a) Explain about the CRM implementation.

Or

- (b) Explain the laws for cockpit instrument display design.

13. (a) Describe the nature of traffic flow management.

Or

- (b) Explain about the basic training issues.

14. (a) Describe about the benefits of the future air traffic management system.

Or

- (b) Explain about the conventional ATC system.

15. (a) Briefly explain about the development of personalizing travel.

Or

- (b) How do evolution of passenger communication?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in details about the designing of security.

Or

- (b) Discuss detailed about the evolution of CRM program.

17. (a) Explain the changes in training, system and continual.

Or

- (b) Discuss the process of Asia/Pacific implementation.

18. (a) Describe about the mobility in the aircraft system.

Or

- (b) Discuss about the design stages of industrial
-

C-2141

Sub. Code

92037

M.B.A. DEGREE EXAMINATION, APRIL 2024

Third Semester

Airline and Airport Management

TRAVEL AND TOURISM MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the meaning of linkages and integration?
2. What is wholesale travel agency business?
3. Define travel agency business.
4. Mention the importance of accreditation of IATA agents.
5. What are the types of package tour?
6. What is the meaning of itinerary?
7. Define the term IAPA.
8. What are the functions of IHRA?
9. Define Special Interest Tours (SITs).
10. Define Tourism trends.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Discuss briefly about the origin of American Express Company.

Or

- (b) Who is a tour operator? And explain the service provided by the tour operators in the package tours.

12. (a) List the functions of Modern Travel agency.

Or

- (b) What is Visa? Explain the different types of Visa.

13. (a) Explain various types of tour itinerary with suitable illustrations.

Or

- (b) Distinguish between GIT and FIT package tour.

14. (a) What are the objectives and activities of TAAI?

Or

- (b) Classify the various memberships in IATO.

15. (a) Discuss briefly about the transportation sector.

Or

- (b) Explain in detail about the sales distribution system.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss the contribution of Thomas Cook to the World of travel agency today.

Or

- (b) Explain the significance of Travel Insurance.
17. (a) Explain the steps involved in developing your package tour.

Or

- (b) Explain the PATA's organization structure and functions.
18. (a) What is tour cost sheet? Present the types of information is given in the cost sheet.

Or

- (b) Explain the Ancillary services in detail.
-

C-2142

Sub. Code

92041

M.B.A. DEGREE EXAMINATION, APRIL 2024

Fourth Semester

Airline and Airport Management

AVIATION MAINTENANCE MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is Maintenance?
2. Explain about Failure Rate Patterns.
3. Expand TPPM.
4. What is M and E in Aircraft Maintenance?
5. What is the use of computers in the Airline/Aviation Industry?
6. Explain about Airline Libraries.
7. What is an Aircraft Log Book?
8. What is the basic Crew Skill Requirements for Maintenance Engineers?
9. What is a Quality Audit?
10. What is ISO?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about Reliability and Redesign.

Or

- (b) Explain about Aircraft Certification.

12. (a) What are Airline Generated Documents?

Or

- (b) Explain about Engineering Department function in Maintenance.

13. (a) Explain about Technical Publications and its types.

Or

- (b) Write short notes on

(i) Forecasting in PPC.

(ii) Computer Program Modules.

14. (a) What is Line Maintenance? Explain its functions and operations.

Or

- (b) Explain about “OFF Aircraft” Maintenance? Explain where it is carried out.

15. (a) Explain the functions of ‘Quality Control’ in Airplane Maintenance.

Or

- (b) Explain about ISO 9000 quality standard in Aircrafts.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) What are the roles and responsibilities of an Engineer and Mechanic in Aircraft Maintenance?

Or

- (b) Explain about Failure Rate Pattern with suitable diagrams. How is this explained in Scheduled and Unscheduled Maintenance?

17. (a) Explain about ATA Documentation Standards in detail.

Or

- (b) Explain about Production Planning and Control in detail.

18. (a) Explain about Quality Assurance and how is it conducted in Aircraft Maintenance?

Or

- (b) Explain about Line and Hangar Maintenance for Aircrafts and also write about the processes in Overhaul Shops.
-

C-2143

Sub. Code

92042

M.B.A. DEGREE EXAMINATION, APRIL 2024

Fourth Semester

Airline and Airport Management

AIR TRAFFIC CONTROL

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Human Factors.
2. What Knowledge Base Behavior?
3. What is Situational Awareness?
4. What is Group Think?
5. What is Gate Keeping?
6. What is Team Building?
7. What is Free Flight?
8. What is RADAR?
9. What is PTSD?
10. What are Circadian Rhythms?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain in brief about the Engineering Model.

Or

- (b) Explain in brief about nature of human error.

12. (a) Explain in brief the factors that affect decision making in ATC.

Or

- (b) Explain in brief about the importance of Situational Awareness in ATC.

13. (a) Explain in brief the various stages of group development.

Or

- (b) Explain in brief about

(i) Interruptions

(ii) Listening.

14. (a) What is GNSS? What are the advantages of GNSS?

Or

- (b) Explain about Primary and Secondary RADAR.

15. (a) Explain in brief about post-traumatic stress disorder.

Or

- (b) Explain the effects of lack of sleep in the ATC Environment.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about the SHELL model.

Or

- (b) Explain in detail about information processing with a neat diagram.

17. (a) Explain in detail about the Non-Verbal communication.

Or

- (b) Explain in detail about ADS and ADS-B.

18. (a) Explain in detail the factors that lead to human error in ATC.

Or

- (b) Explain in detail the application of secondary RADAR.
-

C-2144

Sub. Code

92043

M.B.A. DEGREE EXAMINATION, APRIL 2024

Fourth Semester

Airline and Airport Management

AVIATION RULES AND REGULATIONS

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is modification?
2. What is the purpose of aircraft act 1934?
3. Define major defects.
4. What is STC?
5. What are different categories of organization?
6. What is Type Certification?
7. Define Airworthiness.
8. What is the role of Flight engineers?
9. Who is a flight crew?
10. What is test flight?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain various types of log books.

Or

- (b) Write about Indian Aircraft Rule 1934.

12. (a) What is the procedure of registration for change of ownership?

Or

- (b) Write short notes on the requirements and procedure for the issue/validation of certificate of Airworthiness (C of A).

13. (a) What is flight permit? Explain the procedure for the issue of special flight permit by D.G.C.A.

Or

- (b) What are the procedure and requirements for operation of radio equipment?

14. (a) What is the procedure and conditions for issue/renewal and privileges of licenses?

Or

- (b) Define MEL. What are the categories of MEL item and approval procedure by operators?

15. (a) What are the qualification and experience requirements of pilot carrying out a test flight?

Or

- (b) Explain the role of flight crew and cabin crew.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the procedure, rules and requirements for issue/validation certificate of airworthiness (C of A).

Or

- (b) Explain the requirements and conditions for the allotment of exit row seat in passenger aircrafts.

17. (a) What is modification? Explain various types of modification and the procedure for issue of mandatory modification.

Or

- (b) Explain the requirements, occasions, procedure and preparation of weight schedule.

18. (a) Explain Aerodrome licensing requirements and procedure.

Or

- (b) Explain the procedure for issue and revision / amendment of Civil Aviation Requirements (CAR) by DGCA.

C-2145

Sub. Code

92044

M.B.A. DEGREE EXAMINATION, APRIL 2024

Fourth Semester

Airline and Airport Management

STRATEGIC AVIATION MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define the term "Strategy".
2. What is an Emergent Strategy?
3. Give the meaning of Competitor Function.
4. Write a short note on Core Competence.
5. What is Snow Typology?
6. Define Leadership.
7. What is Power?
8. Write any two factors influencing Organizational Structure.
9. Define E-Commerce.
10. What do you mean by Out Sourcing?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Distinguish between the major levels of a Strategy in an Organization.

Or

- (b) Why do some companies not use Strategic Management? Mention some common reasons.

12. (a) Explain the role of Porter's approach in Industry Analysis.

Or

- (b) State the concept of Financial Analysis.

13. (a) Explain porters five Force Model.

Or

- (b) Discuss the variety of factors that govern the Strategic Choice.

14. (a) Why do people Resist Change? Discuss how do you overcome the problem?

Or

- (b) What are the sources of power? How it is acquired in organizations?

15. (a) Explain the role of E-Business in Strategy Execution.

Or

- (b) Explain the four types of Strategic Control.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the process of Strategic Management.

Or

- (b) Perform a SWOT analysis of Indian Aviation Industry.

17. (a) Discuss in detail about the Mckinsey 7-s Frame Work.

Or

- (b) How do conflict and policies affect formulation and implementation of generic Competitive Strategies?

18. (a) Discuss the role of organizational structure on Strategy Implementation. How structure and control can be matched to Strategy?

Or

- (b) Briefly analyze the present status of Corporate Governance in India.
-

C-2146

Sub. Code

92045

M.B.A. DEGREE EXAMINATION, APRIL 2024

Fourth Semester

Airline and Airport Management

AIRPORT ENGINEERING

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write about Aerodrome Reference Point.
2. What are the Categories of Airport?
3. Why markings are carried out in Taxiway and Runway?
4. What are the three Control Surfaces of Aircraft?
5. What are the Sources of Airport Revenues?
6. Write about Long Haul and Short Haul.
7. What is Obstruction Lighting?
8. What is an X-Ray Unit? Why it is installed in an Airport?
9. Expand VFR and IFR.
10. Why NDB is required in Airport?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain DGCA and its Functions.

Or

- (b) Describe the Function of Airport.

12. (a) Explain Runway configuration and Runway Orientation.

Or

- (b) Write about the weight component involved in Runway, Taxiway and Pavements.

13. (a) Explain the different types of Airport Charges.

Or

- (b) Explain about Ramp Ground Support Equipment.

14. (a) Explain Airport Security System.

Or

- (b) Write short notes on Airport Rescue Services.

15. (a) Explain briefly about Air Space Classes and Classification.

Or

- (b) Explain the Objectives and Features of Air Traffic Services.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the Environmental Factors to be considered with respect to Airport Operations.

Or

- (b) Explain ICAO and its functions.

17. (a) Explain Runway Markings and Taxiway Markings with neat sketch.

Or

- (b) Explain VASI and PAPI with neat sketch.

18. (a) Explain about precautions taken during Fueling and Refueling.

Or

- (b) Explain briefly about the Function of Airport.
-

C-2684

Sub. Code

92011

M.B.A. DEGREE EXAMINATION, APRIL 2024

First Semester

Airlines and Airport Management

MANAGEMENT PRACTICES

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. Which of the following is true about Principles of Management?
 - (a) The principles of management are in a continuous process of evolution
 - (b) The principles of management have evolved
 - (c) The principles of management have not evolved
 - (d) None of the above

2. Which of the following is true for discipline according to Henri Fayol?
 - (a) Proper application of penalties
 - (b) Good superiors across all levels in an organization
 - (c) Agreements between two parties that are always clear and fair
 - (d) All of the above

3. Which of the following is a crucial aspect of strategic planning?
 - (a) It is a broad concept that consists of business and corporate strategy
 - (b) It is an overall concept that consists of strategy formulation and implementation
 - (c) It is a broad concept that consists of environmental and internal analysis
 - (d) It is a general concept that consists of business inputs and outputs

4. What is Authority in Principles of Management?
 - (a) Workers are given a specialized task to do
 - (b) Necessary to ensure that managerial commands are carried out
 - (c) Needed within an organization for it to run effectively
 - (d) An employee should have only one boss

5. In which organizational form are there dual or multiple lines of authority?
 - (a) Matrix (b) Modular
 - (c) Multidivisional (d) Decentralized

6. Which of the following is the determinant of organization structure?
 - (a) Technology
 - (b) Centralization
 - (c) Size of the work unit
 - (d) Coordination of activities

7. In communications management, to assimilate through the mind or senses is the process of _____
 - (a) Receiving (b) Decoding
 - (c) Comprehending (d) Understanding

8. Coordination is
 - (a) A management function
 - (b) The essence of management
 - (c) An objective of management
 - (d) A social objective

9. Control function of management cannot be performed without:
- (a) Planning
 - (b) Organizing
 - (c) Staffing
 - (d) Motivation
10. Grapevine is a form of c
- (a) Formal communication
 - (b) Channel of communication
 - (c) Informal communication
 - (d) Barrier to communication

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Define Management. Explain its levels.

Or

- (b) Explain the principles of scientific management.

12. (a) State the classification of objectives.

Or

- (b) What is policy? Explain its types.

13. (a) Explain the factors affecting departmentation.

Or

- (b) State the difference between centralization Vs decentralization.

14. (a) Discuss the importance of motivation.

Or

- (b) List out the qualities of a good leader. Explain.

15. (a) Explain the types of productivity.

Or

(b) What is system and process of controlling?

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Discuss the Hawthorne studies and findings in the experiments.

Or

(b) Explain the modern approach in detail.

17. (a) Explain the decision making process in detail.

Or

(b) Elucidate the difference between the policy and objectives.

18. (a) Describe the principles of organizing.

Or

(b) Explain the divisional organizational structure with diagram.

19. (a) Explain the McGregor's Theory X and Theory Y.

Or

(b) State the nature of leadership. Explain briefly.

20. (a) Discuss the ways to making control effective.

Or

(b) Explain the challenges in global controlling.

C-2685

Sub. Code

92012

M.B.A. DEGREE EXAMINATION, APRIL 2024

First Semester

Airlines and Airport Management

ORGANIZATIONAL BEHAVIOUR

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. Which of the following is NOT a key element of organizational behavior?
(a) Attitudes (b) Culture
(c) Technology (d) Motivation

2. The process of helping employees acquire new skills and knowledge to improve their job performance is often referred to as
(a) Performance appraisal
(b) On-boarding
(c) Training and development
(d) Motivation

3. Which of the following is NOT one of the components of the ABC model of attitudes in organizational behavior?
(a) Affect (b) Behavior
(c) Culture (d) Cognition

4. What do values represent in the context of organizational behavior?
 - (a) Personality traits
 - (b) Enduring beliefs about what is right or wrong
 - (c) Job titles and descriptions
 - (d) Market demand for products
5. Which type of stress management technique involves talking to a trained professional about your stressors and emotions?
 - (a) Stress amplification
 - (b) Cognitive-behavioral therapy (CBT)
 - (c) Procrastination
 - (d) Mindfulness meditation
6. Which stress management technique involves engaging in physical activities to relieve stress and improve overall well-being?
 - (a) Procrastination (b) Avoidance
 - (c) Exercise (d) Time management
7. Which of the following is NOT a typical element of organizational culture?
 - (a) Values (b) Norms
 - (c) Job descriptions (d) Rituals
8. Which term describes an individual who uses their influence to gain power and achieve personal goals within an organization?
 - (a) Collaborator (b) Advocate
 - (c) Office politician (d) Ethical leader
9. Which is not Maslow's need?
 - (a) Esteem (b) Control
 - (c) Self actualization (d) Social

10. Which perspective is hailed as being responsible for launching research into such topics as leadership effectiveness and group dynamics?
- (a) Human relations approach
 - (b) Scientific management
 - (c) Contingency approach
 - (d) Hawthorne effect

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the modern approach to organization behavior.

Or

- (b) Explain the need for organizational behavior.

12. (a) Explain the different functions of attitude.

Or

- (b) Enumerate the factors influencing perception.

13. (a) Discuss the team decision-making process.

Or

- (b) Explain the issues in Managing teams.

14. (a) What are the ethical issues in organizational culture?

Or

- (b) Briefly describe about self-monitoring.

15. (a) How do you manage the workers from different cultures?

Or

- (b) Explain the Homogeneity and heterogeneity of National cultures.

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Define personality. Discuss Freud's approach to personality development.

Or

- (b) Discuss in detail the evolution of organizational behavior and its determinants.

17. (a) Explain the different types of emotions and state its determinants.

Or

- (b) What do you mean by management ethics? Explain its types.

18. (a) Describe in detail about conflict resolution strategies.

Or

- (b) Explain the different sources of stress.

19. (a) Explain the methods of assessing personality while recruiting a HR manager.

Or

- (b) Why does the organization wish to change? Why do employees resist organizational change?

20. (a) Explain the factors that constitute global and cultural diversity.

Or

- (b) Discuss the various techniques of managing workforce diversity.

C-2692

Sub. Code

92013

M.B.A. DEGREE EXAMINATION, APRIL 2024

First Semester

Airlines and Airport Management

PRINCIPLES OF AVIATION MANAGEMENT

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Section A

(10 × 1 = 10)

Answer **all** questions.

1. In 1932 JRD TATA landed at the ————— aerodrome by inaugurating Indians first scheduled commercial mail service.

(a) Chandigarh (b) Delhi
(c) Juhu (d) Kolkata

2. The right for a flight from its home country (A) to land in another country (B) for the purpose of refueling, maintenance or emergencies, while flying to a destination country (C) is —————

(a) Freedom of air 1
(b) Freedom of air 2
(c) Freedom of air 3
(d) Freedom of air 4

3. Which is not a prohibited item in Passenger Cabin Baggage?
- (a) Ammunition (b) Dry cell Batteries
(c) Fireworks (d) E-Cigarettes
4. The _____ process at some airports to guide the aircrafts to its assigned parking stand.
- (a) Marshalling (b) Towing
(c) Hoisting (d) Pushback
5. Expand ATCT.
- (a) Airport Terminal Control Training
(b) Airport Terminal Control Tower
(c) Air Traffic Control Tower
(d) Air Traffic Control Training
6. _____ which involves residents of one country travelling to and in another country.
- (a) Inbound (b) Outbound
(c) Domestic (d) International
7. _____ is the most common type of airline partnership; it involves one airline selling tickets for another airline's flight under its own airline code.
- (a) B2B (b) Code Share
(c) Airline Share (d) Inter policy
8. Expand EMD.
- (a) Electro Magnetic Detector
(b) Electronic Metal Detection
(c) Electro Magnetic Display
(d) Electronic Metal Display

9. Choose the correct one which is NOT an example of General Aviation
- (a) Schedule Flights
 - (b) Flight Training
 - (c) Private Flying
 - (d) Crop Dusting
10. Expand NAS
- (a) National Aviation System
 - (b) National Aero Space
 - (c) National Airspace System
 - (d) National Aviation Service

Section B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain briefly about Tourism and types of tourism.
- Or
- (b) Draw the Organization Structure chart of an Airline Company.
12. (a) Write briefly about the Airport Infrastructure Planning.
- Or
- (b) Write all the factors influencing airport location.
13. (a) Write about the features of good regulatory practice.
- Or
- (b) Explain about the Airport Price Regulations.
14. (a) List all the uses of General Aviation.
- Or
- (b) Write briefly about FBO's.

15. (a) Explain about the Air Navigation System in Aviation.

Or

(b) Write a summary about Airport Privatization.

Section C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Explain the Economic Benefits in Air Transportation.

Or

(b) Write briefly about International Trade.

17. (a) Explain all the Steps in preparing Airport Master Plan.

Or

(b) Explain with examples of Freedom air 1 to 8.

18. (a) Explain the types of regulations.

Or

(b) Write briefly about the Principles of Airport Protection.

19. (a) Explain in detail about Business flying and Personal flying.

Or

(b) Write shortly on all the Ramp services included in General Aviation.

20. (a) Explain about the Air Transport Slot Trading in Airport.

Or

(b) Discuss about the Infrastructure Safety in Air Transportation Industry.

C-2693

Sub. Code

92014

M.B.A. DEGREE EXAMINATION, APRIL 2024.

First Semester

Airlines and Airport Management

AIRPORT ECONOMICS

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. In which year was the ICAO established?
 - (a) 1944
 - (b) 1957
 - (c) 1963
 - (d) 1972

2. Which government agency is responsible for the security of airports and air travel in the United States?
 - (a) FAA (Federal Aviation Administration)
 - (b) TSA (Transportation Security Administration)
 - (c) CIA (Central Intelligence Agency)
 - (d) DEA (Drug Enforcement Administration)

3. What is the term for the area of an airport where aircraft are parked, loaded and unloaded?
 - (a) Terminal
 - (b) Runway
 - (c) Apron
 - (d) Taxiway

4. What is a reliever airport?
 - (a) An airport that provides massage and relaxation services to travelers
 - (b) An airport designed to relieve congestion at a major hub airport
 - (c) An airport dedicated to recreational flying and private aircraft
 - (d) An airport exclusively for cargo operations
5. Which markings on a runway indicate the threshold or beginning of the runway?
 - (a) Centerline
 - (b) Displaced threshold
 - (c) Touchdown zone
 - (d) Blast pad
6. Which of the following is a common type of non-aeronautical revenue for airports?
 - (a) Landing fees
 - (b) Passenger facility charges (PFCs)
 - (c) Retail and duty-free sales
 - (d) Aircraft maintenance fees
7. What does “aeronautical revenue” at an airport primarily refer to?
 - (a) Revenue from retail and shopping outlets
 - (b) Income from aircraft-related services and charges
 - (c) Rental income from on-site hotels
 - (d) Advertising revenue on airport websites
8. Which pricing strategy involves offering airlines lower fees in exchange for increased flight frequencies or the introduction of new routes?
 - (a) Cost-based pricing
 - (b) Value-based pricing
 - (c) Incentive pricing
 - (d) Dynamic pricing

9. Which pricing strategy involves offering bundled services such as parking, lounge access and transportation at a discounted rate?
(a) Dynamic pricing (b) Cost-plus pricing
(c) Bundled pricing (d) Value-based pricing
10. What is the primary role of the private entity in a privatized airport?
(a) Funding airport development and expansion
(b) Regulating air traffic control services
(c) Collecting landing fees from airlines
(d) Implementing airport security measures

Part B (5 × 5 = 25)
Answer **all** questions.

11. (a) Discuss the principles of airport management.
Or
(b) Explain the importance of Airport Governance.
12. (a) Explain the factors impeding airport capacity.
Or
(b) Explain details about Airport transformation.
13. (a) Illustrate the emerging trends in airport business activities.
Or
(b) Describe the Hub and Spoke Airport Strategies.
14. (a) Explain the principles of airport pricing and factors that determine pricing.
Or
(b) Describe the measuring stands for airport services.
15. (a) Narrate about “Airport Ownership Models”.
Or
(b) Discuss the advantages and disadvantages of airport privatization.

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Explain the main revenue sources for airports and how to they generate income.

Or

- (b) Explain in detail about the Aviation Industry in India.

17. (a) Explain about aeronautical revenues and non-aeronautical revenues.

Or

- (b) Narrate about Air freedom rights.

18. (a) Describe the airport costs and airport operating costs.

Or

- (b) What are the advantages and disadvantages of hub airports in the context of airport competition?

19. (a) Discuss the impact of low-cost carriers on airport competition and pricing strategies.

Or

- (b) Explain in detail about the airport business plan.

20. (a) Discuss the airport ownership and governance model.

Or

- (b) Explain the adjectives of airport privatization and the various forms of airport privatization.

C-2694

Sub. Code

92015A

M.B.A. DEGREE EXAMINATION, APRIL 2024

First Semester

Airlines and Airport Management

AIRLINE FINANCE MANAGEMENT

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. What does investment stand for?
 - (a) Approximate increase in the national stocks
 - (b) The application of funds for the products and services employed for the production process
 - (c) Use of funds for the assets with the purpose to earn returns
 - (d) Applying money to buy a flat or a house

2. The ultimate concern of Financial Management is:
 - (a) To arrange the funds
 - (b) Effective management of all the business
 - (c) Receiving the maximum profit
 - (d) To acquire and utilize every aspect of financial resources in order to maintain the firm activities

3. The finance manager's role is to:
 - (a) Ensures that the funds are properly utilized
 - (b) Maintains the financial health
 - (c) Effective supervision of capital
 - (d) Obtains capital assets of the organization

4. In the share market, the market value of any share is decided by:
 - (a) Shareholders
 - (b) The government
 - (c) Investment market
 - (d) The respective companies

5. The ultimate purpose of financial management is:
 - (a) To get a maximum return
 - (b) To increase the wealth of owners
 - (c) To have a maximum risk factor
 - (d) To get a maximum profit

6. What is Capital Budgeting related to?
 - (a) Short term assets
 - (b) Long term assets
 - (c) Long term as well as short term assets
 - (d) Fixed assets

7. CAPM stands for:
- (a) Capital asset pricing model
 - (b) Capital asset printing Model
 - (c) Capital amount prancing model
 - (d) Capital amount printing model
8. Among the following options which one is not included in money market security?
- (a) Treasury bills (b) Certificate deposit
 - (c) Commercial paper (d) National savings certificate
9. What does Working capital management manage?
- (a) Long term assets
 - (b) Long term liabilities
 - (c) Short term assets and liabilities
 - (d) Only short term liabilities
10. Any company's average cost of capital is the average of:
- (a) Cost of equity preference shares
 - (b) Cost of short term funds
 - (c) Cost of shares and all sources of long term funds
 - (d) Cost of equity shares and debentures

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the scope and functions of a Financial manager.

Or

- (b) What do you mean by accounting for frequent flyer award?

12. (a) Write in brief about ratios that are prepared in the organization.

Or

- (b) Explain the issues in allocation of shares in the management.

13. (a) What do you mean by deferred? Explain in brief.

Or

- (b) What is Trade credit and list out its pros and cons?

14. (a) Explain the methods of valuation of assets.

Or

- (b) Explain the internal and external source of airline finance.

15. (a) Distinguish between Lease Vs Hire purchase method.

Or

- (b) Explain the role of Investment Decisions in airline finance management.

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Explain the income and expenditure statement of airlines.

Or

- (b) Write in detail about the cash flow statement and why it is prepared.

17. (a) Explain in brief about the airline leasing.

Or

- (b) Enumerate the methods of evaluating the investment proposals.

18. (a) Explain the Functions of foreign exchange market in detail.

Or

- (b) Explain the different types and aircraft leasing.

19. (a) What is Public deposit? Explain its advantages and disadvantages.

Or

- (b) Write short notes on:

- (i) Acquisition
- (ii) Merger
- (iii) Hire Purchase

20. (a) Enumerate the role of capital budgeting in business.

Or

- (b) Explain the methods of venture capital financing.
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C-2695

Sub. Code

92015B

M.B.A. DEGREE EXAMINATION, APRIL 2024

First Semester

Airlines and Airport Management

STATISTICAL METHODS

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Section A

(10 × 1 = 10)

Answer **all** questions.

1. Calculate the simple interest if the principal amount is Rs.50,000 and the rate is 2% for 4 years.
(a) Rs.4,000 (b) Rs.400
(c) Rs.40,000 (d) Rs.40
2. Evaluate the compound interest on Rs.10,101 for 3 years at the rate of 9% per annum compounded annually.
(a) Rs.2,989 (b) Rs.3,000
(c) Rs.2,980 (d) Rs.3,333
3. If the mean and the mode are given as 35 and 30. Find the Median.
(a) 75.33 (b) 33.33
(c) 19.33 (d) 35.33

4. Some of the samples are given below. Find the median.
90, 45, 67, 34, 26, 76, 44, 55.
- (a) 90 (b) 34
(c) 26 (d) 50
5. Two unbiased coins are tossed. What is the probability of getting at most one head?
- (a) $3/4$ (b) $1/6$
(c) $1/3$ (d) 0.5
6. In a Binomial Distribution, if ' n ' is the number of trials and ' p ' is the probability of success, then the mean value is given by _____
- (a) np (b) npq
(c) nq (d) $np(1-p)$
7. _____ is the other name of the consumer's price index?
- (a) Wholesale price index number
(b) Cost of living index
(c) Sensitive index
(d) Composite index
8. Weighted index number can be classified into how many categories _____?
- (a) Two (b) Three
(c) Four (d) Six

9. What is the assumption made for performing the hypothesis test with T distribution?
- (a) The distribution is non-symmetric
 - (b) The distribution has more than one modal class
 - (c) The distribution has a constant variance
 - (d) The distribution follows a normal distribution
10. If a Null Hypothesis is accepted then the value of Test statistic lies in the _____
- (a) Acceptance region
 - (b) Rejection region
 - (c) Critical region
 - (d) Sample region

Section B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain in detail about the limitation of statistics.

Or

- (b) Find the amount and the compound interest on Rs.1,00,000 compounded quarterly for 9 months at the rate of 4% p.a.

12. (a) Calculate the Karl Pearson Coefficient of Correlation.

X	20	22	24	25	25	26	27	29	30	32
Y	38	40	37	35	33	34	35	36	27	25

Or

- (b) Consider the following data obtain the Regression equation of X on Y.

X	5	3	10	8	9
Y	8	12	6	5	14

13. (a) If the probability of a bad reaction from a certain injection is 0.002. Determine the chance that out of 1000 individuals more than two will get a bad reaction.

Or

- (b) A discrete random variable X has the probability function.

X	0	1	2	3	4	5	6	7
P(X)	0	a	2a	2a	3a	a ²	2a ²	7a ² +a

Determine the value of a and also find $P(X < 6)$ and $P(X \geq 6)$ and $P(0 < X < 4)$.

14. (a) From the following data calculate price index number for 2010 with 2000 as base by Fisher's ideal method.

Commodity	2000		2010	
	Price	Quantity	Price	Quantity
A	20	8	40	6
B	50	10	60	5
C	40	15	50	15
D	20	20	20	25

Or

- (b) Explain in detail about the Trend Analysis.
15. (a) Explain in detail about the Measuring the power of Hypothesis tests.

Or

- (b) Explain in detail about Single tailed and two tailed test.

Section C $(5 \times 8 = 40)$ Answer **all** questions.

16. (a) Explain in detail about the Scope of Statistics.

Or

- (b) Explain in detail about the Functions of Statistics.

17. (a) Calculate the Q.D for the following distribution and also calculate CQD.

Class	0-10	10-20	20-30	30-40	40-50
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Frequency	5	3	4	3	3
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Class	50-60	60-70	70-80	80-90	90-100
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Frequency	4	7	9	7	8
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Or

- (b) Calculate the S.D from the following data.

Marks in Economics	10	20	30	40	50	60	70	80	90
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No. of Students	3	7	9	10	11	12	15	18	15
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18. (a) Fit a binomial distribution to the following distribution of 156 samples.

No. of defective items	7	6	5	4	3	2	1
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No. of Samples	1	6	32	36	48	24	7
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Or

- (b) The following tables give the number of days in a 60 day period during which road accidents occurred in a town. Fit Poisson distribution to the following data.

No. of accidents	0	1	2	3	4
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No. of days	25	22	9	3	1
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19. (a) Construct the index numbers of price from the following data by applying :
- (i) Laspeyre's method
 - (ii) Paasche's method

Commodity	2013 (Base Year)		2014	
	Price	Quantity	Price	Quantity
Bricks	8	14	6	28
Steel Sheets	15	12	10	24
Timber	12	28	12	54
Cement	14	46	4	27

Or

- (b) Explain in detail about the Time Series Analysis.
20. (a) Explain in detail about Errors in Hypothesis Testing.

Or

- (b) Explain in detail about the Chi-square test of hypothesis.