

C-4001

Sub. Code

92011

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
First Semester
MANAGEMENT PRACTICES
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define ethics.
2. What is social responsibility?
3. Define planning.
4. What are the types of planning?
5. What is delegation?
6. List the difference between line and staff.
7. Define motivation.
8. What is communication?

9. Define management control system.
10. What is JI?

Part B

(5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) With illustrations explain the various functions of management.

Or

- (b) Explain the nature and purpose of management.

12. (a) State the importance of planning.

Or

- (b) Write about different types of planning with their purpose.

13. (a) Explain the various factors affecting centralization.

Or

- (b) Define delegation. What are the essential steps for effective delegation?

14. (a) Explain the communication process, high lighting the barriers that can occur in the same.

Or

- (b) Explain motivation and discuss the Maslow's theory.

15. (a) Explain various techniques of control that are adopted by company organizations.

Or

- (b) Examine the requirements of a effective control system.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) “Management is getting things done through and with people”- Discuss.

Or

- (b) Explain process involved in making a decision.

17. (a) What are the benefits of delegation of authority? How can delegation be made effective?

Or

- (b) Critically examine the theories of leadership and motivation. Explain how you can become a motivational leader in your career.

18. (a) Discuss in detail the essentials of TQM in aviation industry.

Or

- (b) How is control linked to other functions of management? Explain with your own examples.

C-4002

Sub. Code

92012

M.B.A. DEGREE EXAMINATION
AIRLINES AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
First Semester
ORGANISATIONAL BEHAVIOUR
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What do you mean by organizational behaviour?
2. Write about theory of personality.
3. List the components of attitude.
4. Define management ethics.
5. Explain the concept 'nominal group technique'.
6. Differentiate between formal and informal group.
7. What are the ethical issues in organizational culture?
8. What is a planned change?

9. Explain about homogenous national culture
10. Write about global and cultural diversity.

Part B

(5 × 5 = 25)

Answer **all** questions, by choosing either (a) or (b).

11. (a) Explain the determinants of personality.

Or

- (b) Bring out the need and importance of organizational behaviour.

12. (a) How to the internal environmental factors affect the perceptual selectivity?

Or

- (b) Explain about management ethics and its types.

13. (a) Discuss the stages of group development.

Or

- (b) What are the issues in managing the teams how will you over come it.

14. (a) Write about organizational politics.

Or

- (b) Discuss the role and functions of a leader in an organization.

15. (a) Discuss the current applications and future trends in organizational behaviour.

Or

- (b) Compare the homogeneity and heterogeneity of national cultures.

Part C

(3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Explain about trait theories of personality in detail.

Or

- (b) Explain and discuss the various stages in conflict in an organization.

17. (a) Explain the components of organization culture? And its impact on share holder value.

Or

- (b) What do you understand by attitude? Discuss the various components of attitudes with suitable examples.

18. (a) What are the different forms of groups that exist in an organization? Explain each one briefly.

Or

- (b) Discuss the issues and challenges faced by organization in the present scenario.

C-4004

Sub. Code

92014

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
First Semester
FINANCIAL AND MANAGEMENT ACCOUNTING
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define the term financial accounting.
2. What is subsidiary book?
3. What are the uses of ratio analysis?
4. What are the various classifications of Ratios?
5. Define current liabilities.
6. What do you mean by 'Funds From Operations'?
7. Define cost accounting.
8. What is cost unit?
9. What is absorption costing?
10. What is zero based budgeting?

Part B

(5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) Distinguish between journal and ledger.

Or

- (b) Describe the steps involved in the preparation of financial statement of accounts of firm.

12. (a) Bring out the uses of financial statements.

Or

- (b) What is ROI? What are its merits and limitations?

13. (a) From the following details ascertain operating profit before working capital changes for the year 2018-19.

	Rs.
Interest on investment	22,000
Profit on sale of land	60,000
Discount on issue of debentures written off	10,000
Depreciation on fixed assets	90,000
Loss on sale of machinery	8,000
Patent rights written off	15,000
Net profits	1,15,000

Or

- (b) How are the proposed dividend and provision for taxation treated, while preparing fund flow statement?

14. (a) What are the basic elements of cost? Explain the cost control measures around them.

Or

- (b) Print well Ltd., received an order for a job. You are required to ascertain the amount to be billed to the customer at the agreed rate of 20%. Profit on sale from the additional data.

Paper and other materials Rs. 3,000

Labour : 10 workers working for full shift of 10 hours.

Claiming a wage rate of Rs. 20 per hour.

Works overheads 50% on wages.

Administration cost $\frac{1}{3}$ rd of the works cost.

15. (a) Explain the assumptions of marginal costing.

Or

- (b) The sales turnover and profit during 2 periods are given below.

Period I Sales 20 lakhs Profit 2 lakhs

Period II Sales 30 lakhs Profit 4 lakhs

Calculate :

- (i) P/V ratio
(ii) Sales required for a profit of Rs. 5 lakhs
(iii) Profit when sales are 10 lakhs.

Part C

(3 × 10 = 30)

Answer **all** questions choosing either (a) or (b).

16. (a) Discuss the merits and demerits of various methods of calculating depreciation.

Or

- (b) From the following compute the balance sheet.

Total assets / Networth – 3.5

Sales to fixed assets – 6

Sales to current assets – 8

Sales to inventory – 15

Sales to debtors – 18

Current ratio – 2.5

Annual sales – Rs. 25,00,000.

17. (a) You are required to prepare a fund flow statement.

Balance Sheet.

Liabilities	2017	2018	Assets	2017	2018
	Rs.	Rs.		Rs.	Rs.
Share capital	70,000	74,000	Cash	9,000	7,800
Debentures	12,000	6,000	Debtors	14,900	17,700
Creditors	10,360	11,840	Stock	49,200	42,700
P & L A/c	10,740	11,360	Land	20,000	30,000
			Goodwill	10,000	5,000
	<u>1,03,100</u>	<u>1,03,200</u>		<u>1,03,100</u>	<u>1,03,200</u>

Additional information :

- (i) Dividends were paid Rs. 4,000
(ii) Land was purchased for Rs. 15,000.

Or

- (b) What is cash flow? Discuss its utility.
18. (a) The P/V ratio of a firm dealing in precision instrument is 50% and the margin of safety is 40%. You are required to work out the break even point and the net profit if the sales volume is Rs. 25,00,000.

Or

- (b) What do you understand by flexible budget? Is flexible budget useful to the management?

C-4005

Sub. Code

92015

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION

First Semester

STATISTICAL METHODS

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is statistics?
2. Yashwitha deposited Rs. 10,000 in a bank which gives interest at the rate of 10% p.a. calculate the amount that she will get after 5 years.
3. The following are the marks scored by 7 students ; find out the median marks.
Roll Numbers : 1 2 3 4 5 6 7
Marks : 45 32 18 57 65 28 46
4. Define median.
5. Define binomial distribution.
6. Define probability.

7. Commodity	Price in 2014	Price in 2015
A	90	95
B	40	65
C	90	110
D	30	35

Construct an index number for 2015 taking 2014 as base.

8. Define time series.
9. What are type-I and type-II errors in hypothesis?
10. What is null hypothesis?

Part B (5 × 5 = 25)

Answer **all** questions, by choosing either (a) or (b).

11. (a) Explain linear functions characteristics.

Or

 (b) Find the slope of a graph for the following function
 $f(3) = 1$ and $f(-8) = -6$.
12. (a) The mean age of a group of 100 persons was found to be 32.02. Later it was discovered that age 57 was misread as 27. Find the corrected mean.

Or

 (b) An aeroplane flies, along the four sides of a square at speeds of 100, 200, 300 and 400 kilometers per hour respectively. What is the average speed of the plane in its flight around the square.
13. (a) A petrol pump proprietor Mounica sells on an average Rs. 80,000 worth of petrol on rainy days and an average of 95,000 on clear days. Statistics from the metrological department shows that the probability is 0.76 for clear weather and 0.24 for rainy weather on coming Monday. Find the expected value of petrol sale on coming Monday.

Or

 (b) Explain with an illustration the Baye's theorem of probability.

14. (a) From the chain base index number given below, prepare fixed based index numbers.

Year :	2011	2012	2013	2014	2015
Chain index No.	80	110	120	90	140

Or

- (b) What is an index number? Why are index numbers called “Economic barometers”?
15. (a) In a hospital 480 female and 520 male babies were born in a week. Do these figures confirm the hypothesis that males and females are born in equal numbers?

Or

- (b) Explain the concept of sampling distribution and standard error.

Part C

(3 × 10 = 30)

Answer **all** questions, by choosing either (a) or (b).

16. (a) What do you understand by “Central Tendency”? What are the merits and demerits of the arithmetic mean?

Or

- (b) Compute the standard deviation and mean deviation from the following data.

Class (x) :	0-10	10-20	20-30	30-40	40-50	50-60
Frequency (F) :	8	12	17	14	9	7

17. (a) From the prices of shares x and y given below, state which shares is more stable in value.

X:	55	54	52	53	56	58	52	50	51	49
Y:	108	107	105	105	106	107	104	103	104	101

Or

- (b) Calculate quantity index by
- (i) Laspeyres method
 - (ii) Paasche's method and
 - (iii) Fisher's method.

Commodity	2013		2015	
	Price	Total Value	Price	Total Value
A	10	100	12	144
B	12	144	14	196
C	14	196	16	256
D	16	256	18	324
E	18	324	20	400

18. (a) Two cards are drawn at random from a well shuffled pack of 52 cards. What is the probability that :
- (i) both are aces
 - (ii) both are red
 - (iii) at least one is an ace?

Or

- (b) 100 cars radios are inspected as they come off the production line and number of defects per set is recorded below. ($e^{-0.25} = 0.779$)

No. of depts. : 0 1 2 3 4

No. of sets : 79 18 2 1 0

Fit a Poisson distribution to the above data and calculate the frequencies 0, 1, 2, 3 and 4.

C-4006

Sub. Code

92016

**M.B.A. DEGREE EXAMINATION,
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION**

First Semester

AIRPORT ECONOMICS

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the importance of airport economics?
2. List the functions of airport.
3. What are the factors impeding airport capacity?
4. Define slot.
5. Brief about the competitiveness of an airport.
6. What is meant by air port finance?
7. Define airport cost.
8. What are the regulatory techniques to control pricing?

9. Mention the forms of airport privatization.
10. What are the objectives of airport regulations?

Part B (5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) Enumerate the principles of airport management.

Or

- (b) Narrate the significance of aviation industry.

12. (a) What are the measures of airport decongestion?

Or

- (b) Describe the airport slot mechanism.

13. (a) Explain about the competitive strategies in airplane market.

Or

- (b) Detail about the airport charges.

14. (a) Describe the pricing objectives in airport pricing.

Or

- (b) Explain the performance measures for airport services.

15. (a) Discuss the objectives of airport privatization.

Or

- (b) Brief about the airport ownership models.

Part C

(3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Explain about the airport governance and organizational structure.

Or

- (b) What is airport economics? Elaborate its importance.

17. (a) Detail the hub and spoke airport strategies.

Or

- (b) Define airport finance. Explain the goals of airport finance.

18. (a) Explain the features of a good regulatory practice and the forms of regulatory mechanisms.

Or

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

C-4007

Sub. Code

92021

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Second Semester
HUMAN RESOURCE MANAGEMENT
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are the role of human resource management in aviation industry?
2. What is HR audit?
3. Define job evaluation.
4. What is selection?
5. List out training benefits.
6. What is demotion?
7. Define compensation.
8. What is Remuneration?

9. Define collective bargaining.
10. Write any two implications of industrial conflicts.

Part B (5 × 5 = 25)

Answer **all** questions, by choosing either (a) or (b).

11. (a) Explain qualities of performance manager.

Or

(b) What are the functions of human resource management?
12. (a) Explain various methods of recruitment and selection process followed in Aviation industry.

Or

(b) Explain merits and demerits of estimating man power requirement.
13. (a) Explain the need and purpose of transfer.

Or

(b) What are the objectives of training? Discuss the need for training in aviation industry.
14. (a) Explain merits and demerits of incentive payments in airline company.

Or

(b) Explain factors influencing employee remuneration.
15. (a) Write brief note on 'Collective Bargaining'.

Or

(b) Explain nature and need of trade union in aviation industry.

Part C

(3 × 10 = 30)

Answer **all** questions, by choosing either (a) or (b).

16. (a) Enumerate functions of personnel management in detail.

Or

- (b) Discuss various methods of recruitment followed in private airlines companies in India.

17. (a) Distinguish between training and development. Explain the importance of on-the job- training.

Or

- (b) What is promotion? Explain the relative merits and demerits of seniority and merits as the basis of promoting employee in organization.

18. (a) How an grievance be resolved empathically? Explain.

Or

- (b) Discuss the merits and demerits of politics based trade union and presence of multiple unions in India.

C-4008

Sub. Code

92022

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Second Semester
BUSINESS RESEARCH METHODS
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define sampling.
2. What is primary data?
3. What is the difference between Type I and Type II error?
4. How would you identify exploratory study?
5. Why do you go for sampling?
6. What is meant by quantitative research?
7. What do you mean by sign test?
8. What is meant by exploratory variable?

9. What is meant by foot notes?
10. What do you mean by executive summary?

Part B (5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) Discuss the features of good research design.

Or

- (b) Explain the technique of sampling.

12. (a) How to make interview successful? Explain.

Or

- (b) Enumerate the different types of hypothesis.

13. (a) Distinguish between questionnaire and schedule.

Or

- (b) Write a short note on ANOVA.

14. (a) Explain in detail the construction of Questionnaire.

Or

- (b) Discuss the significance of report writing.

15. (a) Describe the Kruskal Wallis test and its uses in research.

Or

- (b) Write notes on qualitative data in qualitative research.

Part C

(3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Explain Chi-Square Z test and F-test.

Or

- (b) How do you formulate research design? Explain with suitable illustration.

17. (a) What are the different methods of scales construction, pointing out the merits and demerits of each?

Or

- (b) Elucidate how you would apply Questionnaire technique.

18. (a) Explain about research report and its format.

Or

- (b) Explain the norms of using tables, charts and diagrams.
-

C-4009

Sub. Code

92023

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Second Semester
QUANTITATIVE TECHNIQUES
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. How is Graphical method applied to solve LPP?
2. What is surplus variable?
3. Define Transshipment.
4. What do you mean by balanced transportation problem?
5. State the logic of arrow network.
6. Discuss the necessity for job sequencing.
7. Define PERT.
8. Give short note on CPM.
9. State the Serial and Parallel Queue.
10. What is constrained optimization?

Part B

(5 × 5 = 25)

Answer **all** questions, by choosing either (a) or (b).

11. (a) Evaluate by using dual simple method solve the LPP.

$$\text{Minimize } Z = 2x_1 + x_2$$

$$\text{Subject to: } 3x_1 + 2x_2 \geq 3$$

$$4x_1 + 3x_2 \geq 6$$

$$x_1 + x_2 \leq 5$$

$$\text{and } x_1, x_2 \geq 0$$

Determine the simplex table.

Or

- (b) Review the LPP and interpret the optimum solution :

$$\text{Max. } Z = 25x + 10y$$

$$\text{Subject to: } x + 0.5y \leq 20$$

$$x + y \leq 50$$

$$\text{and } x, y > 0$$

12. (a) Describe the advantages of north west corner method.

Or

- (b) Explain the matrix minima method in operation research.

13. (a) How will you sequence 'n' jobs in 3 machines? Explain.

Or

- (b) Discuss the sequencing problem in operational research.

14. (a) Explain the steps in PERT planning process.

Or

(b) Elucidate the advantages of critical path method.

15. (a) Develop Kendall's Notation of a Queue.

Or

(b) Interpret the need for fixing Reorder Point.

Part C

(3 × 10 = 30)

Answer **all** questions, by choosing either (a) or (b).

16. (a) Using Dual Simplex method, solve and find the optimum solution for the given LPP.

$$\text{Maximize } Z = 6x_1 + 4x_2 + 4x_3$$

$$\text{Subject to : } 3x_1 + x_2 + 2x_3 \geq 2$$

$$2x_1 + x_2 - x_3 \geq 1$$

$$-x_1 + x_2 + 2x_3 \geq 1$$

$$\text{and } x_1, x_2, x_3 \geq 0.$$

Or

(b) Solve graphically, the following LPP :

$$\text{Maximize } Z = 100x_1 + 40x_2$$

$$\text{Subject to: } 5x_1 + 2x_2 \leq 1000$$

$$3x_1 + 2x_2 \leq 900$$

$$x_1 + 2x_2 \leq 500$$

$$x_1, x_2 \geq 0$$

17. (a) Suggest how policy has to be framed in relation to equipments that deteriorate gradually,

Or

(b) Compare and contrast CPM and PERT, under what conditions would you recommend the scheduling by PERT? Justify your answer with reasons?

18. (a) Explain the different types of Replacement method.

Or

(b) Explain the waiting line models in operations management.

C-4010

Sub. Code

92024

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Second Semester
PRINCIPLES OF AVIATION MANAGEMENT
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is meant by span of control?
2. State the meaning of management of objectives.
3. What do you mean by open sky policy?
4. What is the use of airport master plan?
5. State the meaning of airworthiness.
6. What are biometric technology used in airport?
7. Who is a fixed base operator?
8. What is meant by run way incursion?

9. State the meaning of airport slot.
10. What is the meaning of mom and pop shop?

Part B

(5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) Explain the nature of various terminals in an airport.

Or

- (b) Explain the role of aviation in travel and tourism industry.

12. (a) Enumerate the factors that influence the location of an airport.

Or

- (b) What is meant by airport master plan? Explain its advantages and limitations.

13. (a) Explain the functions of fixed base operators.

Or

- (b) List out the various types of airport charges levied by airports and airlines.

14. (a) What are the used in general aviation?

Or

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

15. (a) How does the ATCT regulate the air traffic?

Or

- (b) Explain the process of airport slot trading.

Part C

(3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Enumerate the functions of DGCA.

Or

- (b) What are the causes and remedies of airport congestions?

17. (a) Explain the measures adopted to maintain the infrastructure safety of airports.

Or

- (b) Discuss the various types regulations enforced by governments on airports.

18. (a) Discuss the contribution of aviation industry to the economic development of India.

Or

- (b) Enumerate the causes and models of airline privatisation in the world.

C-4011

Sub. Code

92025

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Second Semester
AIR CARRIER OPERATIONS
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define FAA.
2. What is meant by rest period?
3. Define AQP.
4. What are the ways to access operating manual?
5. What is meant by flag operations?
6. Define landing limitations.
7. What are the duties of flight crew member?
8. What is meant by ground proximity warning?

9. Write the flight training requirements.
10. Expand the following.
 - (a) GMT
 - (b) CASE.

Part B

(5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) Briefly explain about aircraft maintenance.

Or

- (b) Explain in detail airline organization.

12. (a) Explain the various types of operation manuals.

Or

- (b) What are the requirements for airmen and crew members? Explain in detail.

13. (a) Explain in detail on the airplane performance.

Or

- (b) Explain one engine inoperative condition.

14. (a) Explain in detail about airplane security.

Or

- (b) What is the use of certified land airports? Explain briefly.

15. (a) Explain airplane flight records specifications in detail.

Or

- (b) Write a short note on flight attendant.

Part C

(3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Discuss in detail about operating manuals.

Or

- (b) Explain in detail airline organization.

17. (a) Explain the types of records and reports maintained by an air carrier under FAR Part 121.

Or

- (b) Explain in detail part 25 airworthiness requirement.

18. (a) Discuss in detail about flight training requirement

Or

- (b) Explain oxygen for medical use by passengers onboard of the aircraft.

C-4012

Sub. Code

92026

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Second Semester
AIRLINE AND AIRPORT MARKETING
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write any two marketing strategies of airline business?
2. Explain customers service.
3. Define GDS.
4. What is relationship marketing?
5. What is market segmentation?
6. What is Revenue Management?
7. Define “apparent” and “true” needs.
8. Define market segmentation in airline business.
9. Define air freight market.
10. What do you mean by segmentation?

Part B

(5 × 5 = 25)

Answer **all** questions, by choosing either (a) or (b).

11. (a) Explain about the marketing mix in Airline business.

Or

- (b) Write a short note on :
(i) Cost Leadership Strategy.
(ii) Differentiation Strategy.

12. (a) Explain frequent flyer programme.

Or

- (b) Explain the pricing policy of airline industry.

13. (a) What is the use of distribution channel in air freight market?

Or

- (b) Write a note on travel agency distribution system.

14. (a) Explain the segmentation in the Air Passenger market.

Or

- (b) Explain the roles of the actors involved in the air transport value chain.

15. (a) What are the gate guardian? Explain briefly.

Or

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

Part C

(3 × 10 = 30)

Answer **all** questions, by choosing either (a) or (b).

16. (a) London Heathrow airport – A best in class provider in the airport business — Explain.

Or

- (b) Define air travel market and its types of air travel market.

17. (a) Write a detailed note on PESTE Analysis of Airline Industry.

Or

- (b) What are the factors affecting airline business?

18. (a) Analyze the porter's "Five Forces" with reference to Airline Industry.

Or

- (b) How to advertise in airline marketing and explain it with an example?

C-4013

Sub. Code

92027

M.B.A. DEGREE EXAMINATION

AIRLINE AND AIRPORT MANAGEMENT

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Second Semester

PRINCIPLES OF LOGISTICS MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define the term 'out sourcing'.
2. List out the different transportation mode.
3. Write a short not on optimised network.
4. State the meaning of web ware house.
5. What do you mean by virtual warehouse?
6. Write a short note on route planning.
7. Define the term packaging.
8. State the meaning of global logistics.

9. What do you mean by material handling system?
10. State the meaning of reserve logistics.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Briefly explain the value added logistics services.
- Or
- (b) Mention the decision phases in a supply chain and process views in detail.
12. (a) List the main characteristics and barriers of sourcing technology.
- Or
- (b) State the factors influencing freight cost.
13. (a) Explain the importance of logistics to E-commerce.
- Or
- (b) Briefly explain the obstacles to the supply chain integration.
14. (a) Mention the role of material handling in logistics.
- Or
- (b) Briefly explain the scope and need for reverse logistics.
15. (a) Explain the importance of the role of technology in logistics.
- Or
- (b) Briefly write about the problem and prospect of global logistics.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) 'Logistics is the key to the success of supply chain of a retail organization'. Explain.

Or

- (b) Discuss the role of inventory management and the reasons for carrying inventory.

17. (a) State the role of logistics in supply chain management.

Or

- (b) Explain in detail about the role of government in logistics.

18. (a) "The logisticians consider the storage system as an economic convenience rather than a necessity"—Substantiate.

Or

- (b) Explain the concept of "warehouse decision models".

C-4014

Sub. Code

92031

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Third Semester
AVIATION AND AIRPORT SECURITY
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is threat warning?
2. Write short notes on crime against humanity.
3. What do you mean by crew training?
4. Name SOCOM command components.
5. What is RHHMD?
6. What do you understand by the term sterile concourse?
7. What is an airport locker?
8. Define ground security.

9. Brief access controls.
10. Define nuclear and biological weapons.

Part B (5 × 5 = 25)

Answer **all** questions, by choosing either (a) or (b).

11. (a) Explain about protecting public air transportation.

Or

(b) Discuss about Montreal-Bonn agreement.
12. (a) Write a short note on Palestinian Liberation organization.

Or

(b) Discuss about domestic terrorism.
13. (a) Briefly explain about Airborne Aircraft Security.

Or

(b) Explain about the potential operator concerns in airport screening.
14. (a) How will you contrast blast containment from blast management?

Or

(b) Describe the aviation safety assessment program.
15. (a) Explain the concept of microwave holographic imaging.

Or

(b) What is FACEITTH access controls? Explain in brief.

Part C

(3 × 10 = 30)

Answer **all** questions, by choosing either (a) or (b).

16. (a) Explain various ways and methods of preventing unauthorised access to the airports.

Or

- (b) Elaborate on the history of significant air hijackings sine 1972.

17. (a) What is a metal detector? Explain in detail on the constraints on selection of a metal detector and body scanners.

Or

- (b) Discuss about the inspection of cargo and international air cargo standards.

18. (a) Explain in detail on the conventions weapons and is categories.

Or

- (b) Elaborate on the Trace Detection technologies.

C-4015

Sub. Code

92032

**M.B.A. DEGREE EXAMINATION,
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Third Semester
STRATEGIC AIRPORT PLANNING
(2016 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What do you mean by strategic view of planning?
2. What are the objectives of strategic airport planning?
3. Define airline decision.
4. What are the sources of airport revenues?
5. Define system planning process.
6. Describe the planning techniques.
7. What is the significance of surveillance facilities?
8. What is an airport organization chart?

9. Brief the social role of airports.
10. What are the components of an airport terminal?

Part B (5 × 5 = 25)

Answer **all** questions choosing either (a) or (b).

11. (a) Describe the challenges to the traditional planning approach.

Or

- (b) Explain about the institutional changes in the aviation sector.

12. (a) Enumerate the jurisdictional issues involved in airport planning and development.

Or

- (b) Detail about the implications for investment strategies.

13. (a) Explain the national planning concerns in strategic airport planning.

Or

- (b) Describe the role of analysis in policy formulation.

14. (a) Explain the components of airport.

Or

- (b) Detail the duties of an airport manager.

15. (a) Describe the environmental impact of airports.

Or

- (b) Explain the operating infrastructure of an ATC.

Part C

(3 × 10 = 30)

Answer **all** questions choosing either (a) or (b).

16. (a) Explain the detail the development of the airport planning process.

Or

- (b) Briefly explain the planning principles and process associated with airport system planning.

17. (a) Define airfield lighting and explain in detail.

Or

- (b) Illustrate the security infrastructure on airfields.

18. (a) Enumerate the economical political and social role of airports.

Or

- (b) Narrate the present day ATC management and operating infrastructure.

C-4016

Sub. Code

92033

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Third Semester
AIRLINE FINANCE MANAGEMENT
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define finance.
2. State the functions of financial manager.
3. What do you mean by preference capital?
4. Mention the need for working capital.
5. Differentiate tangible and intangible assets.
6. What are the methods of airline valuation?
7. Define airline leasing.
8. Brief the rating methods of airline.

9. What is airline privatization?
10. Mention the limitations of airline privatization.

Part B (5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) Explain about the assets and liabilities of airlines.
- Or
- (b) How will you evaluate the income and expenditure of airlines?
12. (a) Explain in detail about the methods of venture capital financing.
- Or
- (b) Write a note on:
- (i) Debentures
 - (ii) Venture capital.
13. (a) Describe the contribution of valuing right to airport slot.
- Or
- (b) Narrate the capital budgeting techniques in airlines.
14. (a) Differentiate between financial lease and operating lease.
- Or
- (b) Elaborate the types of aircraft securitization.

15. (a) Elaborate the types of budgets in airline.

Or

(b) Discuss about the airline financial planning budgeting.

Part C (3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Explain the scope of function of financial management.

Or

(b) Elaborate on the methods of working capital financial and its need.

17. (a) Detail about the methods of evaluating investment proposals.

Or

(b) Discuss the factors determining the value of traffic rights.

18. (a) What is rating agency? Explain the rating methods and rating agencies in India.

Or

(b) Write short notes on :

(i) Deferred income

(ii) Trade credit.

C-4017

Sub. Code

92034

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Third Semester
AIRPORT OPERATIONS MANAGEMENT
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is a station?
2. List the types of emergencies.
3. What is meant by unaccompanied minors?
4. What is a fast travel programme?
5. Define baggage loss.
6. Brief about baggage security.
7. Define SICA.
8. Define ramp security.

9. What are the threats for airside safety?
10. What is meant by PPE?

Part B (5 × 5 = 25)

Answer **all** questions choosing either (a) or (b).

11. (a) Explain the roles and responsibility of a station manager.

Or

- (b) Briefly explain about airline operators committee.

12. (a) Discuss about IROPS.

Or

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

13. (a) What are the elements of a baggage tag number?

Or

- (b) Explain about barcodes and its functions.

14. (a) What are the rules followed for good safety standards in airline catering industry?

Or

- (b) Explain Standard In Flight Catering Agreement (SICA).

15. (a) How do we use ground service equipment for safety?

Or

- (b) What are the tools in mitigating safety risk in airside safety system?

Part C

(3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Explain in detail about airline operators committee.

Or

- (b) Discuss in brief about occupational health and safety hazards.

17. (a) Discuss the do's and don'ts of fire emergency situation.

Or

- (b) Explain in detail about baggage management system.

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

Or

- (b) Explain in detail about risk management system and tools in mitigating safety risks.

C-4018

Sub. Code

92035

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Third Semester
AIR CARGO MANAGEMENT
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are the logistics in India?
2. Name few facilities offered by Air cargo ways.
3. What is air cargo?
4. What is the purpose of voyage charters?
5. Mention few perishables which need special attention in cargo.
6. Define on-board logistics.
7. Write the format of air way bill.
8. What is dock receipt?

9. Expand IATA.
10. What is the use of airline prefix?

Part B (5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) Describe air transportation as a means of conquering time and space.

Or

- (b) Explain the factors influencing growth in air logistics.

12. (a) Give short notes on
- (i) charges collect shipments
 - (ii) Prepaid shipments.

Or

- (b) Explain about the currencies and rounding off procedures in logistics economics.

13. (a) Detail on the air cargo loading limitations.

Or

- (b) Brief about the trimming and loading distribution.

14. (a) Elaborate the airline bookings procedures.

Or

- (b) Explain about the airline scores.

15. (a) Enumerate the city coding and decoding of air cargo.

Or

- (b) Write short note on :
- (i) Cargo warehousing
 - (ii) Custom clearance.

Part C

(3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Explain about the innovative schemes & facilities to popularize air cargo.

Or

- (b) Elaborate in detail on the mail acceptance procedures.

17. (a) Explain about the government regulation and formalities in air cargo documentation.

Or

- (b) What is IATO? Discuss about its formulation, functions and members.

18. (a) Explain about warehousing agents in air cargo.

Or

- (b) Write short notes on :

- (i) Conditions of contract
- (ii) Cancellation of shipments.

C-4019

Sub. Code

92036

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Third Semester
FUTURE AVIATION SYSTEMS
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define synthesis.
2. What is meant by privatization?
3. Explain CRM.
4. What are the cultural factors involved in aviation systems?
5. Write the types of cargo.
6. List some of the basic training issues in aviation industry.
7. What are the objectives of ATC?
8. What do you mean by surveillance?
9. Difference between long haul flight and short haul flight.
10. What is meant by special zones?

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Discuss the commercial aircrafts and privatization of airport.

Or

- (b) Explain Gate-to-gate concept.

12. (a) Write the laws for cockpit instrument display design.

Or

- (b) Explain about cockpit automation features and limitations.

13. (a) Describe the four R's of leadership in resources management.

Or

- (b) What are the basic cognitive issues? Explain in detail.

14. (a) Discuss about FANS committee.

Or

- (b) Write the emerging concept in ATM.

15. (a) Explain about ergonomic principles.

Or

- (b) Write the limitations of the conventional ATC systems.

Part C

(3 × 10 = 30)

Answer **all** questions, by choosing either (a) or (b).

16. (a) Explain cockpit automation features and limitations.

Or

- (b) What do you mean by gate-to-gate concept? Explain in detail.

17. (a) Narrate the emerging concepts of Air traffic control.

Or

- (b) Discuss the basic training issues in air traffic flow management.

18. (a) Explain the various impact related towards aircraft interior design.

Or

- (b) Explain cognitive issue of TFM and assertion about traffic management skills.

C-4020

Sub. Code

92037

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Third Semester
TRAVEL AND TOURISM MANAGEMENT
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define itinerary. Give example.
2. Write the difference between wholesale and retail travel agency business.
3. What is meant by a tour package?
4. What are the sources of income of travel agency?
5. Define wholesaler.
6. List the components of tour packages.
7. Define VISA.
8. What are the functions of IATO?

9. What are ancillary services?
10. What are the requirements of customers seeking accommodation?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Briefly explain the classification of hotels.

Or

- (b) List the types of tour operator in detail.

12. (a) Write short notes on 'Tourism trends'.

Or

- (b) Discuss in detail about diversification of business.

13. (a) List the Do's and Don't's of itinerary preparation.

Or

- (b) What are the components of tour cost?

14. (a) Why is travel insurance mandatory for international travel?

Or

- (b) What are the roles and functions of ICCA?

15. (a) Write short notes on the components of tour cost.

Or

- (b) Explain in detail about the accommodation sector.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the function of travel agency.

Or

(b) Narrate in detail the business strategies and activities.

17. (a) Write the classification of component of package tours.

Or

(b) Briefly explain about IATA accreditation.

18. (a) Travel industry sector. Explain in detail.

Or

(b) Discuss in detail about the roles and responsibility of travel trade association.

C-4021

Sub. Code

92041

M.B.A. DEGREE EXAMINATION

AIRLINE AND AIRPORT MANAGEMENT

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Fourth Semester

AVIATION MAINTENANCE MANAGEMENT

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define reliability.
2. What is failure rate pattern?
3. List the types of documentation.
4. What are FAA requirements?
5. Define airframe.
6. What is meant by airline libraries?
7. List some maintenance crew skill requirements.
8. What is ground support equipment?

9. What is industrial safety?
10. What is meant by quality control?

Part B

(5 × 5 = 25)

Answer **all** questions by choosing either (a) or (b).

11. (a) What are the goals and objectives of maintenance?

Or

- (b) Discuss in detail about aircraft certification.

12. (a) Explain ATA document standard.

Or

- (b) What are the functions of engineering department?

13. (a) Explain the functions of technical publication.

Or

- (b) Brief about maintenance resource management.

14. (a) Explain about line maintenance operations in detail.

Or

- (b) Explain about aircraft log book.

15. (a) Explain quality audit and its other functions.

Or

- (b) Explain about general safety rules in aircraft maintenance.

Part C

(3 × 10 = 30)

Answer **all** questions by choosing either (a) or (b).

16. (a) Briefly explain the role of engineer and mechanic in maintenance.

Or

- (b) Discuss about the role and process of MSG approach in aircraft maintenance.

17. (a) Explain in detail about Hanger Maintenance activity.

Or

- (b) Explain about technical services in aircraft maintenance.

18. (a) Briefly explain about operation of overhaul shops.

Or

- (b) Discuss in detail about production planning and control.
-

C-4022

Sub. Code

92042

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Fourth Semester
AIR TRAFFIC CONTROL
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define perception.
2. What is Rule based behaviour?
3. What is decision making?
4. What are the causes of stress?
5. Define stress.
6. Name psycho-motor skills required in A.T.C.
7. What is Navigation?
8. What is Gate Keeping?
9. What is primary RADAR?
10. What is circadian rhythm?

Part B

(5 × 5 = 25)

Answer **all** questions, by choosing either (a) or (b).

11. (a) Explain the levels of behaviour.

Or

- (b) Explain the nature of human errors.

12. (a) Explain various communication styles.

Or

- (b) Explain variables that make-up controllers-pilot situation awareness.

13. (a) Explain stages of group development.

Or

- (b) What are the stages of team development?

14. (a) What is cognitive bias? Explain the various types.

Or

- (b) What is G.N.S.S.? State its advantages.

15. (a) How the human factors affecting the performance of controllers in ATC?

Or

- (b) Explain factors associated with post-traumatic stress disorder.

Part C

(3 × 10 = 30)

Answer **all** questions, by choosing either (a) or (b).

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

Or

- (b) What is communication? Explain communication barriers in ATC.

17. (a) What is nonverbal communication? Explain the various types of nonverbal communication.

Or

- (b) What are the cognitive and psycho-motor skills required in ATC?

18. (a) Explain the applications of secondary RADAR.

Or

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

C-4023

Sub. Code

92043

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Fourth Semester
AVIATION RULES AND REGULATIONS
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is R.T.C.?
2. What is the difference between AIC and AAC?
3. What is exit row?
4. What is the purpose of mandatory modification?
5. What is the purpose and occasion of issuing special flight permit?
6. What is type certificate and their requirements?
7. What is aircraft registration?

8. Define Aerodrome.
9. What is AME licensing?
10. What is MEL?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain Indian Aircraft Rule 1937 and HS applicability.

Or

- (b) Explain various types of modifications.

12. (a) Explain Type Certificate, Restricted Type Certificate and Supplemental Type Certificate.

Or

- (b) Write the occasion for the cancellation of certificate of airworthiness.

13. (a) Explain various categories of organization and procedure for initial approval.

Or

- (b) What are the requirements and procedure for the approval of C.A.R.-M organization?

14. (a) Write short notes on aircraft defect recording, reporting and investigation procedure.

Or

- (b) Write about the reporting and investigating procedure of aircraft accidents and incidents.

15. (a) Write short notes on requirements, procedure and evaluation of flight testing of aircraft.

Or

- (b) What is an exit row in passenger aircraft? Explain the requirements and conditions for allotment of exit row seat.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain about log books maintained ground service and maintenance bay.

Or

- (b) Explain the procedure and requirements for operation of Radio equipment.

17. (a) What is flight manual? Write the description and requirements of aircraft flight manual.

Or

- (b) Explain the documents to be carried on-board in Indian Registered Civil Aviation Aircraft.

18. (a) Explain the categories, procedure and conditions for issue/renewal and privileges of licensing of personnel.

Or

- (b) Explain the purpose, occasion and procedure of issue of special flight permit by DGCA.

C-4024

Sub. Code

92044

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Fourth Semester
STRATEGIC AVIATION MANAGEMENT
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define strategic management.
2. What is micro environment?
3. State the meaning of declining markets.
4. Define SWOT analysis.
5. What is low cost leadership?
6. What do you mean by BCG matrix?
7. Define TQM.
8. Define ethics.
9. What is knowledge management?
10. Define corporate Governance.

Part B

(5 × 5 = 25)

Answer **all** questions, by choosing either (a) or (b).

11. (a) Explain importance of strategic planning.
Or
(b) Discuss techniques of environmental scanning.
12. (a) Explain the importance of SWOT analysis in Aviation.
Or
(b) Explain Michal five porter's analysis.
13. (a) Discuss the importance of BCG matrix.
Or
(b) Explain the objectives of GE multifactor matrix.
14. (a) Explain Mickinsey 7's frame works.
Or
(b) Discuss various types of leadership style.
15. (a) List out merits and demerits of E-commerce.
Or
(b) Explain importance of corporate Governance in Aviation industry.

Part C

(3 × 10 = 30)

Answer **all** questions, by choosing either (a) or (b).

16. (a) Explain the various phases of strategy formulation with an illustration.
Or
(b) Choose any one MNC operates in India and apply SWOT analysis for that MNC.

17. (a) Discuss the process of strategic evaluation and control in detail.

Or

(b) Discuss the Porter's five force model of industry analysis with suitable illustration.

18. (a) Write short note on :

(i) E-commerce

(ii) E-business.

Or

(b) Write short note on :

(i) Corporate Governance

(ii) Knowledge management.

C-4025

Sub. Code

92045

M.B.A. DEGREE EXAMINATION
AIRLINE AND AIRPORT MANAGEMENT
APRIL 2021 EXAMINATION
&
APRIL 2020 ARREAR EXAMINATION
Fourth Semester
AIRPORT ENGINEERING
(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Stopway and Clearway.
2. What are the categories of Airport?
3. What is Aerodrome Beacon?
4. Draw the various aircraft parking configuration with neat sketch.
5. Why markings are carried out in Taxiway and Runway?
6. What are the goods prohibited for carriage by air?
7. Differentiate between Holding Apron and Terminal Apron.

8. Difference between controller Airspace and Uncontrolled Airspace.
9. List out the functions of Briefing centre.
10. What is stopway?

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Describe the function of Airport.

Or

- (b) Narrate the Air Freedom Rights.

12. (a) Explain with neat sketch about Runway markings and taxiway markings.

Or

- (b) Describe the relationship between Aircraft and Airport.

13. (a) Draw the flowchart of Terminal Passenger Flow.

Or

- (b) Describe the sources of Airport Revenue.

14. (a) Narrate the Airport Lounge Area Requirements.

Or

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

15. (a) Explain Flight plan and its content.

Or

(b) Describe the Air Traffic control network.

Part C (3 × 10 = 30)

Answer **all** questions, choosing either (a) or (b).

16. (a) Write the brief description and use of NDB, VOR, DME and ILS.

Or

(b) Explain about Air Traffic Control Network and the features of Air Traffic Services.

17. (a) Explain Airport lighting with a neat diagram.

Or

(b) Explain about Apron, Holding Apron and Terminal Apron.

18. (a) Explain briefly about DGCA and its functions.

Or

(b) Describe the Environmental factors to be considered with respect to Airport Operations.
