C–1220

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Airline and Airport Management

MANAGEMENT PRACTICES

(2016 onwards)

Time : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer **all** questions.

1. What is social audit?

2. What do you meant by classical theory?

3. Define Strategies.

4. Distinguish between policy and procedure.

5. Describe a matrix organization.

6. Define organization culture.

7. What is downward communication?

8. How committee can be formed?

9. What is zero based budgeting?

10. Define productivity.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the functions of management.

Or

(b) Describe the general principles of management as laid down by Henri Fayol.

12. (a) What are the different types of plans? Explain.

Or

(b) Write a short note on Business Strategy.

13. (a) Explain the important principles of organizing.

Or

(b) Write short notes on virtual organization.

14. (a) Explain different styles of leadership based on Authority.

Or

(b) Explain the principles of effective communication.

15. (a) Explain the principles of prevent control. Explain its advantages.

Or

(b) Write short note on TQM and Sigma.

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) What makes decisions rational? Explain the importance and limitations of rational decision making.

Or

(b) Discuss the process involved in global strategic planning.

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17. (a) Illustrate and evaluate departmentation by territory.

Or

(b) Explain the concept of functional authority. How do you delegate it?

18. (a) Explain any two theories of motivation.

Or

(b) Discuss the role of electronic media in communication.

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3 **C–1220**

C–1221	Sub. Code 92012

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Airline and Airport Management

ORGANISATIONAL BEHAVIOUR

(2016 onwards)

Time : 3 Hours　　　　　　　　Maximum : 75 Marks

Part A　　　　　(10 × 2 = 20)

Answer **all** questions.

1.　What do you mean by organizational behavior?

2.　What is learning?

3.　What is perceptual process?

4.　What do you meant by Emotional Intelligence?

5.　What is decision making?

6.　What is distress?

7.　What is group dynamics?

8.　What is organizational Development?

9.　What is organizational culture?

10.　What is Globalization?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) What is the modern approach to organizational behavior?

    Or

    (b) What are the challenges and opportunities for orgnaizational behavior?

12. (a) What are the changes in attitudes? Explain the enabling measures of changing attitudes.

    Or

    (b) How do the Internal Environmental factors affect the perceptual selectivity?

13. (a) What are group norms? Why group norms are needed?

    Or

    (b) What are the causes of stress?

14. (a) What is organizational culture? How does it affect the behavior of the employees?

    Or

    (b) What are the steps to taken by the management to overcome the resistance to change?

15. (a) Explain the Responses of organizational behavior?

    Or

    (b) How diversity be effectively managed? Offer suggestions at both the individual and organizational levels?

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Part C $(3 \times 10 = 30)$

Answer **all** questions.

16. (a) Bring out the importance of studying organizational behavior.

Or

(b) Why do conflicts take place within a group? Suggest strategies to resolve them.

17. (a) Discuss the causes and consequences of stress.

Or

(b) Explain the difference approaches to describe organizational culture.

18. (a) Why do people resist change? As a manager, how would you overcome such resistance to change?

Or

(b) Discuss organizational politics. Explain its desirability.

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3   **C–1221**

C–1222

Sub. Code
92013

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Airline and Airport Management

EXECUTIVE COMMUNICATION

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **All** questions.

1. What is informal communication?

2. What is meant by 'you' attitude?

3. Differentiate Verbal Communication from non-verbal communication.

4. What do you mean by sementic barrier?

5. What is the need for 'Reference' in business letter?

6. State the meaning of dyadic communication.

7. Define 'Business Report'.

8. What is the purpose of group discussion?

9. State the meaning of extembore speech.

10. What are exhibits in Reports?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) What are the kinds of media used for communication?

Or

(b) Describe the communication cycle.

12. (a) Enumerate the types of business letters.

Or

(b) What are the contents of Technical Report?

13. (a) What are the problems in listening? How to ensure effective listening?

Or

(b) What is gesture? Explain the role of gesture in communication.

14. (a) Explain the communication aids?

Or

(b) What is Interview? Explain the duties of interviewer and interviwee.

15. (a) Describe the types of grapevine communication with diagrams.

Or

(b) Enumerate the points to be considered while drafting speech.

2 **C – 1222**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) What are the principles of communication?

Or

(b) What are the stages of writing collection letter.

17. (a) Explain the various kinds of business reports.

Or

(b) Describe the types of non-verbal communication.

18. (a) What are barriers to communication? How can barrier be removed?

Or

(b) Enumerate the steps in conducting meeting.

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C–1223	Sub. Code 92014

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Airline and Airport Management

FINANCIAL AND MANAGEMENT ACCOUNTING

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A $(10 \times 2 = 20)$

Answer **all** questions.

1.   Define accounting.

2.   What is journal?

3.   What is double entry system?

4.   What is Debt equity ratio?

5.   Define fund flow.

6.   What is master budget?

7.   What do you understand by capital rationing?

8.   What is statement of affair method?

9.   Define marginal costing.

10. What are the types of budgets?

Part B (5 × 5 = 25)

Answer **all** questions

11. (a) Explain accounting for historical function and managerial function.

Or

(b) Enter the following transactions in the sales book of M/s. Kumar and Sons, Madurai.

2009

Jan 10 sold to Shanthi and Co. Chennai

50 School bags @ Rs. 100 each

10 Travelling bags @ Rs. 300 each

Less Trade discount @ 10%

Jan 20 Sold to Sara and Co. Trichy

60 Hand bags @ Rs. 50 each

20 Suitcases @ Rs. 400 each.

12. (a) Highlight the importance and uses of ratio analysis.

Or

(b) From the following balance sheets of X Ltd. and additional information, prepare statement of changes in financial position (Working capital basis):

Liabilities	2002	2003	Assets	2002	2003
Share capital	2,50,000	3,50,000	Good will	60,000	50,000
Reserves	1,30,000	1,65,000	Fixed Assets	2,90,000	3,95,000

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Liabilities	2002	2003	Assets	2002	2003
Proposed dividend	20,000	35,000	Current Assets	1,90,000	2,85,000
Provision for tax	50,000	60,000			
Current Liabilites	90,000	1,20,000			
	5,40,000	7,30,000		5,40,000	7,30,000

Additional information:

(i) Depreciation on fixed assets provided during 2003 is Rs. 30,000; Net profit during the year 2003 is Rs. 80,000; Income tax paid Rs. 50,000; Final divided paid Rs. 20,000; Interim dividend was also paid.

(ii) Fixed asset costing Rs. 60,000 (accumulated depreciation Rs. 35,000) sold for Rs. 30,000.

(iii) Fixed asset costing Rs. 50,000 was purchased by issue of share capital.

13. (a) From the following balance sheets as on 31st December, you are required to prepare a cash flow statement.

Liabilities	2004 (Rs.)	2005 (Rs.)	Assets	2004 (Rs.)	2005 (Rs.)
Share capital	1,00,000	1,50,000	Fixed assets	1,00,000	1,50,000
Profit and Loss A/c	50,000	80,000	Good will	50,000	40,000
General reserve	30,000	40,000	Inventories	50,000	80,000
16% Bonds	50,000	60,000	Debtors	50,000	80,000

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Liabilities	2004 (Rs.)	2005 (Rs.)	Assets	2004 (Rs.)	2005 (Rs.)
Sundry creditors	30,000	40,000	Bills receivable	10,000	20,000
Expenses O/S	10,000	15,000	Bank	10,000	15,000
	2,70,000	3,85,000		2,70,000	3,85,000

Or

(b) Discuss the procedure for preparing cash flow statement.

14. (a) Discuss the merits of NPV and IRR methods in capital budgeting decisions.

Or

(b) What are the merits of ratio analysis?

15. (a) Journalise the following transactions in the books of Alan Jones:

2003

May 1 Alan Jones started business with cash Rs. 25,000

May 2 Bought furniture for Rs. 2,100

May 6 Purchased goods from salil traders Rs. 2,850

May 9 Cash sales Rs. 3,500

May 14 Sold goods on credit to quaiser Rs. 2,500

May 15 Paid of office stationary Rs. 25

May 21 Quaiser remitted Rs. 1,000 on account

May 25 Interest on investments received Rs. 150

May 26 Paid rent to landlord Rs. 550
Insurance premium Rs. 210

Or

(b) Explain the uses and limitation of break even analysis.

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Part C $(3 \times 10 = 30)$

Answer **all** questions.

16. (a) Explain the accounting concepts.

Or

(b) Explain the end users of accounting information.

17. (a) From the following Trial balance, You are required to prepare final accounts:

Trial Balance

as on 31 Dec. 2000

Particulars	Debit (Rs.)	Credit (Rs.)
Capital		40,000
Sundry debtors	10,800	
Drawings	3,600	
Machinery	14,000	
Sundry creditors		5,600
Wages	20,000	
Purchases	38,000	
Opening stock	8,000	
Bank balance	6,000	
Carriage charges	600	
Salaries	800	
Rent and taxes	1,800	
Sales		58,000
	1,03,600	1,03,600

Closing stock was valued at Rs. 2,400

Or

(b) Give journal entries for consignment account.

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18. (a) Briefly explain the various methods of providing depreciation.

Or

(b) Find out margin of safety given: Actual sales Rs. 80,000 P/V ratio is 40%, fixed cost Rs. 12,000.

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C–1224	Sub. Code
	92015

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Airline and Airport Management

STATISTICAL METHODS

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Ramesh deposited Rs.100 in a bank which gives interest at the rate of 6% p.a. calculate the amount that he will get after 3 years.

2. Define Differentiation.

3. Define mean deviation.

4. Write down the advantages and disadvantages of Median.

5. Define poison distribution.

6. State the law of total probability.

7. Explain price index and quantity index.

8. State components of time series.

9. Explain Type-I error and Type-II error.

10. Define standard error of a sampling distribution.

Part B　　　　　$(5 \times 5 = 25)$

Answer **all** questions.

11. (a) Explain the concept of trade off.

Or

(b) Evaluate $\int\limits_{0}^{\theta} x^2 e^{\frac{-x^2}{2}} dx$.

12. (a) Find the median wages of the following distribution.

wages	2000-3000	3000-4000	4000-5000
No. of workers	3	5	20

wages	5000-6000	6000-7000
No. of workers	10	5

Or

(b) From the frequency distribution table. Find the quartile deviation and its co-efficient.

C.I.	99-101	102-104	105-107	108-110	111-113
f	10	20	15	9	6

13. (a) A box contains 6 red, 4 white and 5 black balls. A person drawn 4 balls from the box at random. Find the probability that among the balls drawn there is atleast one ball of each colour.

Or

(b) A and B play a game in which their chances of winning are in the ratio 3:2. Find A's chance of winning atleast three games out of five (5) games played.

14. (a) From the following data on average annual whole sale prices (Rs. per qtl) of wheat with 1954 as the base year, construct index for each year.

Year	1954	1955	1956	1957
Whole sale price	75	60	65	60

Year	1958	1959	1960
Whole sale price	72	70	69

Or

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(b) From the following data construct an index number for 1998 taking 1997 as base.

Commodity	Price in 1997 (in Rs.)	Price in 1998 (in Rs.)
Bread	5.00	6.00
Eggs	12.00	12.50
Ghee	650.00	750.00
Milk	11.00	12.50
Cheese	75.00	18.00
Butter	90.00	99.00

15. (a) State constant of χ^2 distribution.

Or

(b) Random samples of 400 men and 600 women were add asked wheather they would like to have a fly over near their residence. 200 men and 325 women were in favour of the proposal. Test the hypothesis that proportions of men and women infavour of the proposal are same against that they are not at 5% level.

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) If a randam variable x has the p.d.f.

$$f(X) = \begin{cases} \dfrac{1}{2}(x+1); if -1 < x < 1 \\ 0 \qquad ; \text{ otherwise} \end{cases}$$

Find Mean and variance.

Or

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(b) The following figures shows the distribution of digits in numbers. Choosen at random from a telephone directory.

Digits	0	1	2	3	4	5
Frequency	1026	1107	997	966	1075	933

Digits	6	7	8	9	Total
Frequency	1107	972	964	853	10,000

Test wheather the digits may be taken to occur equally frequently in the directory.

17. (a) Assume that a firm has selected at random. Sample of 100. From its production line and has obtain the data shown in the table below.

Class Interval	Frequency
130-134	3
135-139	12
140-144	21
145-149	28
150-154	19
155-159	12
160-164	5

Or

(b) From the data compute regression equation on X on Y and Y on X.

X	140	152	158	164	170	176	182
Y	75	78	77	79	82	85	86

18. (a) Compare and contrast the methods and uses of single and two tailed test in detail.

Or

(b) Calculate standard error from the following data

x :	39	49	59	69	79	89	99
f :	2	3	11	20	32	25	7

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C–1225		Sub. Code
		92016

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Airline and Airport Management

AIRPORT ECONOMICS

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A $(10 \times 2 = 20)$

Answer **all** questions.

1. What is meant by Infrastructure Economics?

2. Define Slot.

3. What are the institutional changes in aviation sector?

4. Define Airport charges and list its types.

5. What are the components of airport?

6. Write the principles of Air Navigation charges.

7. Define Delay and its types.

8. What are the objectives of airport regulations?

9. What are the regulatory techniques to control pricing?

10. List out the airport categories.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the principles of Airport Management.

Or

(b) Narrate the importance of economics in aviation studies.

12. (a) Explain the consumer behaviour model.

Or

(b) Describe the functions of Airport system.

13. (a) Explain the factors impeding airport capacity.

Or

(b) Detail out the Hub and Spoke airport strategies.

14. (a) Describe about Airport competitive factors.

Or

(b) Explain the measuring standards of airport services.

15. (a) Describe the approaches determining airport cost.

Or

(b) Explain the objectives of Airport Privatization.

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Narrate the economic features of an airport.

Or

(b) Explain airport Governance and organization structure.

2 **C–1225**

17. (a) Describe the various sources of Airport Revenue.

Or

(b) Explain Airport charges and its types in detail.

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

Or

(b) Narrate about "Air Freedom Rights".

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C–1225

C–1226

Sub. Code
92021

M.B.A. (A & AM) DEGREE EXAMINATION,
NOVEMBER 2019

Second Semester

HUMAN RESOURCE MANAGEMENT

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1.   Define personnel management.

2.   Define **HR** planning.

3.   Define Job Evaluation.

4.   Define Recruitment.

5.   Define Vestibule training.

6.   Define Performance Appraisal.

7.   What is Employee compensation?

8.   Define ESOP.

9.   What is meant by whistle blowing?

10.   What is meant by Arbitration?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Explain line and staff functions of HRM.

Or

(b) Briefly explain the roles of personnel manager.

12. (a) Write a brief note on "Recruitment through Internet".

Or

(b) Explain about Job description.

13. (a) Differentiate training from development.

Or

(b) Write short note on transfer and its types.

14. (a) What are the basic components of pay structure in India?

Or

(b) Write short note on Fringe Benefits and its types.

15. (a) Define Grievances. What are the forms, causes and effects of grievances?

Or

(b) Define trade union. Explain various objectives and functions of trade unions.

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Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the steps involved in the Human Resource Planning Process.

Or

(b) Enumerate the different methods of recruitment.

17. (a) Explain the various methods of training.

Or

(b) What do you understand by incentive plans? Explain the various methods of incentive plans.

18. (a) Write in detail about Collective bargaining, its types and process.

Or

(b) Explain the various methods of Job Evaluation.

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3   **C–1226**

C–1227	Sub. Code
	92022

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Second Semester

Airline and Airport Management

BUSINESS RESEARCH METHODS

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A $(10 \times 2 = 20)$

Answer **all** questions.

1. Define 'Research'

2. What is meant by sample?

3. What do you mean by hypothesis?

4. What is the meaning of case study?

5. State the ,meaning of panel research.

6. What do you mean by dichotomous question?

7. What is the assumption for chi-square test?

8. State the meaning of 'statistic and parameter.

9. What do you mean by sampling error?

10. What is known as executive summary?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) What points should be kept in mind in defining problem?

Or

(b) What are the characteristics of hypothesis?

12. (a) Describe the one tailed and two tailed test.

Or

(b) Explain the types of observation.

13. (a) Differentiate Ranking scale from Rating scale.

Or

(b) Explain the stages of hypothesis testing.

14. (a) Explain the methods of data processing in research.

Or

(b) Enumerate the statistical tools used to test hypothesis.

15. (a) Explain the various types of research reports.

Or

(b) Explain the norms for using Index and Bibliography.

2 **C–1227**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the Research process.

Or

(b) Define research design and explain the different types of designs.

17. (a) Explain the steps in data processing and analysis.

Or

(b) What is ANOVA test? Explain the uses of one way and two way ANOVA in data analysis.

18. (a) What is interpretation? Explain the techniques of interpretation.

Or

(b) Explain the steps in writing research report.

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C–1228	Sub. Code
	92023

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Second Semester

Airline and Airport Management

QUANTITATIVE TECHNIQUES

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Write any two advantages of LP models.

2. Define Bounded and unbounded region.

3. What is least cost method?

4. Give the mathematical formulation of an assignment problem.

5. Define slack variables.

6. What are the two conditions that must be satisfied for critical path?

7. What do you mean by network?

8. What do you understand by a queue? Give some important application of queuing theory.

9. Define Pessimestic time.

10. What is "group replacement"?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Discuss the basic assumptions in linear programming.

Or

(b) Indicate the difference between decision under risk and decision under uncertainty decision theory.

12. (a) Solve the problem by Least Cost method.

	1	2	3	Availability
A	10	13	6	10
B	16	7	13	12
C	8	22	13	8
	6	11	13	

Requirement

Or

(b) Write down the steps of Hungarian method.

13. (a) Explain the sequencing problem of "n job on a m machines".

Or

(b) Discuss the role of statistical technique in PERT.

14. (a) Describe total float and free float of an activity.

Or

(b) What is critical path in CPM/PERT? Explain its importance.

2 **C–1228**

15. (a) What are the types of replacements? Illustrate with example.

Or

(b) Draw a network diagram for the following data.

Task	Immediate predecessor
A	None
B	Non
C	B
D	B
E	B
F	E
G	A,D,C

Part C $(3 \times 10 = 30)$

Answer **all** questions.

16. (a) Solve the transportation table to find Initial Basic Feasible Solution by using Vogel's Approximation Method.

	D_1	D_2	D_3	D_4	Supply
S_1	19	20	50	10	7
S_2	70	30	40	60	9
S_3	40	8	70	20	18
Demand	5	8	7	14	34

Or

(b) Explain various method to solve transportation problem.

3

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17. (a) Tasks A, B, C,.... H, I constitute a project the precedence relationships are

A<D ; A<E ; B<F ; D<F ; C<G ; C<H ; F<I ; G<I.

Draw a network diagram to represent the project and find the minimum time of completion of the project in days of each task is as follows :

Task   A   B   C   D   E   F   G   H   I

Time   8   10   8   10   16   17   18   14   9

Also identify the critical path.

Or

(b) Briefly discuss the application of queuing theory in industrial management.

18. (a) Use simplex method to solve the following LPP.

$\max Z = 4x_1 + 10x_2$

Subject to:

$2x_1 + x_2 \le 50$
$2x_1 + 5x_2 \le 100$
$2x_1 + 3x_2 \le 90$
$x_1, x_2 \ge 0$

Or

(b) Use graphical method to solve the following LPP.

$\max Z = 3x_1 + 2x_2$

Subject to:

$2x_1 + x_2 \le 12$
$3x_1 + 4x_2 \le 12$
$x_1, x_2 \ge 0$

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C–1228

C–1229	Sub. Code
	92024

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Second Semester

Airline and Airport Management

PRINCIPLES OF AVIATION MANAGEMENT

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1.   Define airline management.

2.   What is meant by span of control??

3.   Define AMP.

4.   Types of airport terminal.

5.   What is the aim of aviation regulation?

6.   What are non-aeronautical charges?

7.   What do you mean by General aviation?

8.   What is the meaning of ownership?

9.   What do you mean by airport slot?

10. Types of National Airspace system.

Part B $(5 \times 5 = 25)$

Answer **all** questions.

11. (a) Explain the three divisions of aviation systems.

Or

(b) Enumerate the principles of airline organization.

12. (a) What are the consequences of mergers and alliances airlines?

Or

(b) Enumerate the functional management activities in airports.

13. (a) Explain about the good regulatory practices.

Or

(b) Explain the need for airport safety and protection.

14. (a) Briefly state the functions of passenger handling in airport.

Or

(b) Explain about the business aviation.

15. (a) What are the features of personal transportation?

Or

(b) Explain the forms of privatizing airports.

2   **C–1229**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the structure and significance of aviation industry.

Or

(b) Describe the organizational chart of airline firm.

17. (a) Explain about terminals of airport. List out their functions.

Or

(b) Describe the air side configures of an airport.

18. (a) Briefly explain about the causes and remedies of airport congestion.

Or

(b) Explain the airport regulatory practices adopted in India.

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C–1230	Sub. Code
	92025

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Second Semester

Airline and Airport Management

AIR CARRIER OPERATIONS

(2016 onwards)

Time : 3 Hours　　　　　　　　　　Maximum : 75 Marks

Part A　　　　　　　　(10 × 2 = 20)

Answer **all** questions.

1. What is Gratious private carrier?

2. Define Rest Period.

3. What is an observer seat?

4. Mention types of maintenance manual.

5. What is meant by certificated land airports?

6. Define clearway.

7. What is sterile cockpit rule?

8. What is meant by WAT? Who prepares it?

9. List out the documents need to carried by a pilot in command on the flight.

10. Expand the following :
    (a) GMT
    (b) CFR
    (c) CASE
    (d) LAHSO.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the organization structure of an air carrier.

Or

(b) What is meant by operation control? Briefly explain.

12. (a) Brief explain Alternate Airport weather minimum.

Or

(b) Explain the types of operating manuals.

13. (a) Describe the inoperable instruments and equipments.

Or

(b) Explain Alcohol prevention programme.

14. (a) Narrate people express exemption 3585.

Or

(b) Explain the flight dispatcher functions under part 121.

15. (a) Write a short note on flight attendant.

Or

(b) Explain types of Drug test in detail.

2 **C–1230**

Part C   (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the tests FAA uses in determining if an individual or company is acting as a common carrier.

    Or

    (b) Explain oxygen for medical use by passengers on board of the aircraft.

17. (a) Explain Airport Security in detail.

    Or

    (b) Describe the duties of flight control and flight following in detail.

18. (a) Distinguish between despatch release document and flight release document.

    Or

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

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3   **C–1230**

C–1231	Sub. Code 92026

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Second Semester

Airline and Airport Management

AIRLINE AND AIRPORT MARKETING

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. State the meaning of product life cycle.

2. What are air services Agreements?

3. Who is a low cost leader?

4. What do you mean by airline market segmentation?

5. Name the in flight services offered by airlines.

6. What is meant by focus strategy?

7. What do you mean by brand equity?

8. What are commercial services in airport?

9. State the meaning of airport value chain.

10. Who is a package assembler?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about the forming airline alliances?

Or

(b) Explain the bases for airline market segmentation.

12. (a) How do airlines build brand image among customers?

Or

(b) Explain the types of focus strategies adopted by airlines.

13. (a) Who are stake holders in airports? Explain their role in airport marketing?

Or

(b) Explain the differentiation strategies adopted by airlines in their service.

14. (a) List out the non-aviation business in airports.

Or

(b) What are the conditions adopted by airlines to fix discount fare for air travel?

15. (a) Explain about the airport marketing plan.

Or

(b) Briefly explain the types of low cost airports.

C–1231

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the components of customer relationship marketing strategy.

Or

(b) Explain Michael Porter's competitive forces and its application to airline industry.

17. (a) What are the sources of revenues to airports? Explain how airports enhance their revenue?

Or

(b) Discuss the different types of pricing policies adopted by airlines.

18. (a) London airport is the best in class airport- Comment.

Or

(b) Explain the key drivers impacting on the size of airport's catchment area.

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3 **C–1231**

C–1232	Sub. Code
	92027

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Second Semester

Airline and Airport Management

PRINCIPLES OF LOGISTICS MANAGEMENT

(2016 onwards)

Time : 3 Hours　　　　　　　　Maximum : 75 Marks

Part A　　　　　　(10 × 2 = 20)

Answer **all** questions.

1.　What is value added logistics?

2.　What is meant by order processing?

3.　What is the meaning of E-Business?

4.　What do you mean by virtual warehouse?

5.　State the use of Fort Life truck.

6.　What is meant by unit load storage?

7.　What do you mean by logistical package?

8.　Define the term 'E-logistics'.

9.　What is the meaning of activity based costing?

10.　What is reverse logistics?

Part B   (5 × 5 = 25)

Answer **all** questions.

11. (a) Write about customers expectations about the quality of logistic services.

Or

(b) Explain the role of logistics in supply chain.

12. (a) What is supply chain mapping? Explain its role in supply chain organisation.

Or

(b) Enumerate various performance parameters of warehouse.

13. (a) What are the reasons for carrying inventories?

Or

(b) What is meant by containerisation? Explain its scope in logistics.

14. (a) What are the criteria adopted by logistics manager to choose a transport system?

Or

(b) List the benefits of outsourcing in logistics.

15. (a) Explain the role of intermediaries in global logistics.

Or

(b) How do logistic strategies vary across different stages of product life cycle.

2   **C–1232**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Define the term 'supply chain management' and its role in logistics.

Or

(b) Explain the various ware housing options available with their relative merits.

17. (a) What are the different methods in use for industrial storage?

Or

(b) Enumerate the various techniques of inventory control with their merits and demerits.

18. (a) Define E-commerce and differentiate it from traditional model.

Or

(b) Discuss the objectives and methods of reverse logistics in supply chain management.

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3   **C–1232**

C–1233

Sub. Code
92031

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Third Semester

Airline and Airport Management

AVIATION AND AIRPORT SECURITY

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. What do you understand by the term Deregulation?

2. What is I.C.A.O?

3. What is baggage reconciliation?

4. Name four screening devices that are used in airport.

5. What is a taggant?

6. What do you understand by the term sterile concourse area in the airport?

7. What is container hardening in aircraft?

8. What do you understand by the term dissemination of threat warning?

9. Name four counter terrorist units in the world.

10. Expand C.I.A, D.I.A and N.S.A.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the security measures that are used in airport to combat hijacking.

Or

(b) Explain briefly about Tokyo convention.

12. (a) What is a cockpit door? Explain.

Or

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

13. (a) Explain briefly about Hecbollah terrorist group and their ways of operation.

Or

(b) Explain the concept of facilities that are used for screening check point augmentation.

14. (a) What is a taggant? Briefly explain.

Or

(b) Explain briefly about T.S.A. inspection of airports.

15. (a) What is a flight Vu data scanner? Explain.

Or

(b) Explain how biometric system is used in airports.

2 **C–1233**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the consequence of 9/11event to the aviation industry.

Or

(b) Explain briefly about the initial public response with regard to hijacking.

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

Or

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

18. (a) Explain in detail about C.I.A, D.I.A. and N.S.A.

Or

(b) Explain four counter terrorist units in the world.

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C–1233

C–1234	Sub. Code 92032

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Third Semester

Airline and Airport Management

STRATEGIC AIRPORT PLANNING

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Who are the stakeholders in aviation business?

2. What is the objective of airport planning?

3. Name the different types of Terminals of airports.

4. What is scenario writing?

5. Define Airport Security.

6. What is Airport beacon?

7. What is the purpose of Navigational aids?

8. List out the objectives of Air Traffic Control.

9. What are the uncertainities faced in airport planning?

10. Name the different types of aircraft parking configuration.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the market imperfection in airport business.

Or

(b) Narrate the institutional changes in the aviation sector.

12. (a) Explain the process of managing capacity constraints of airport.

Or

(b) Distinguish between General Aviation and Military aviation.

13. (a) Enumerate the Airport Planning Techniques and Practices.

Or

(b) Explain the security infrastructure on air fields.

14. (a) Describe the Functions of Airports Management.

Or

(b) Explain the importance of Forecasting in a System Planning Context.

15. (a) Explain the components of Airport Terminal.

Or

(b) Narrate the Various Airspace classes in detail.

C–1234

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Narrate the airport planning process in detail.

Or

(b) Explain the environmental concerns of aviation industry that have global impact.

17. (a) Narrate the components of airport with neat sketch.

Or

(b) Explain the National Governmental roles in airport planning.

18. (a) Explain the airline Decisions with respect to fleet acquisition.

Or

(b) Describe the process of air traffic control and surveillance.

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C–1234

C–1235

Sub. Code
92033

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Third Semester

Airline and Airport Management

AIRLINE FINANCE MANAGEMENT

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1.   What are the objectives of Finance Management?

2.   What is meant by Pay back period?

3.   What is the meaning of contingent liability?

4.   What are Trade Credits?

5.   State the meaning of Tangible and intangible assets.

6.   What do you mean by Airport slot?

7.   What is meant by Wetleasing of Aircraft?

8.   State the meaning of Frequent Flyer Award.

9.   What is the meaning of Swap in foreign exchange?

10. What is meant by Arbitrage foreign exchange?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) List out the Tangible and intangible assets of airlines.

Or

(b) Explain the impact of Time value of money on Financial Management.

12. (a) Enumerate the sources and applications of cash.

Or

(b) What are the advantages and limitations of ratio analysis?

13. (a) What is meant by Term loans? Explain the features of Term loans.

Or

(b) Enumerate the types of working capital for airlines.

14. (a) Explain the factors that determine the value of Traffic rights.

Or

(b) Distinguish between Financial lease and operating lease.

15. (a) Explain the functions of credit rating agencies.

Or

(b) Explain the methods of airline privatisation.

2 C–1235

Part C   (3 × 10 = 30)

Answer **all** questions.

16. (a) Enumerate the objectives and limitations of Financial statements.

Or

(b) Enumerate the methods of working capital Financing.

17. (a) What is meant by capital budgeting? Explain the methods of capital budgeting.

Or

(b) What is meant by Zero base budgeting? Explain its merits and demerits.

18. (a) Explain the methods of valuing tangible and intangible assets of airlines.

Or

(b) Explain the meaning and functions of Foreign Exchange Market.

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3   **C–1235**

C–1236

Sub. Code
92034

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Third Semester

Airline and Airport Management

AIRPORT OPERATIONS MANAGEMENT

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. What are Air Services Agreement?

2. Define Low Cost Airport.

3. Explain CRM.

4. What do you mean by market segmentation?

5. What is the use of distribution channel in the airline industry?

6. What do you mean by fleet?

7. Define all Cargo Airport.

8. What is ALP?

9. What is Revenue Management?

10. What is meant by Multi Point Alliance?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) What are the advantages and disadvantages of the travel Agency distribution system?

Or

(b) Briefly explain the four types of Airport.

12. (a) Explain the marketing mix with reference to the Airline industry.

Or

(b) Explain the various segmentation in the air passenger traffic.

13. (a) Write a brief note on catchment area?

Or

(b) What are the gate gaurdian? Explain briefly.

14. (a) Discuss the importance of advertisement in marketing of airline services.

Or

(b) Distinguish between uniform pricing and differential pricing.

15. (a) What are the factors influencing the revenue of an airport?

Or

(b) Explain the impact of technology factors on airline marketing.

2 **C–1236**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Enumerate the distribution channel stategies of airline marketing.

Or

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

17. (a) Explain the components of relationship marketing strategy.

Or

(b) What are the differences between air passenger market and air freight market?

18. (a) "London Heath low airport – A best in class provider in the airport business". Explain.

Or

(b) Explain the PORTER's five force and their applications in airline industry.

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C–1236

C–1237	Sub. Code
	92035

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Third Semester

Airline and Airport Management

AIR CARGO MANAGEMENT

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Define Elasticity.

2. Who is a Freight forwarder?

3. What is Bill of Entry?

4. Define cargo transport.

5. What is ULD?

6. What is Consolidation?

7. What is Voyage Charter?

8. What is Commercial Invoice?

9. Define Air way Bill.

10. Define Oversize Cargo.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) What are cargo loading limitations?

Or

(b) Enumerate the reasons for using aircraft load sheets.

12. (a) Write a note on classes of dangerous goods.

Or

(b) Explain Bill of entry.

13. (a) Explain ULD.

Or

(b) Write a note on "SITA".

14. (a) Explain 'A', 'B' and 'C' categories of diplomatic mails.

Or

(b) Differentiate 'HAWB' from 'MAWB'.

15. (a) Briefly describe the format boxes of AWB.

Or

(b) What are the five important air craft weights? state how they are calculated?

2 **C–1237**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss the role of responsibilities of freight forwarders association.

Or

(b) Discuss in detail about airline safety scoring.

17. (a) Discuss the formation and functions of ICAO.

Or

(b) Write a detail note on formation and function of IATA bodies.

18. (a) Explain the major document's required for air cargo logistics.

Or

(b) Compare and connast the different modes of cargo logistics.

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3 **C–1237**

C–1238	Sub. Code
	92036

M.B.A. (A&AM) DEGREE EXAMINATION, NOVEMBER 2019

Third Semester

Airline and Airport Management

FUTURE AVIATION SYSTEMS

(2016 onwards)

Time : 3 Hours　　　　　　　　Maximum : 75 Marks

Part A　　　　　　($10 \times 2 = 20$)

Answer **all** questions.

1. What is FANS?

2. Define synthesis.

3. How are airports classified based on the revenue generated?

4. What is crew culture?

5. List out the data needed for Air Traffic managers.

6. Write the types of cargo.

7. What is meant by free flight?

8. What are the objectives of Air Traffic control?

9. Define ergonomics.

10. Difference between long haul flight and short haul flight.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Explain Gate to Gate concept.

Or

(b) Describe the attitudes to security and need for designing the security.

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

Or

(b) Describe the cultural factors in the cockpit.

13. (a) Explain the nature of Air traffic flow management.

Or

(b) Describe the four "R" s of leadership in resources management.

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

Or

(b) Write about the FANS committee.

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

Or

(b) Describe the short comings and limitations of the conventional ATC system.

2 **C–1238**

Part C   (3 × 10 = 30)

Answer **all** questions.

16. (a) Narrate the role of airports in the world and role of IT in aviation industry.

                    Or

    (b) Explain synthesis, Top level synthesis and subsystem synthesis.

17. (a) Explain grid theory for understanding different behavioural styles for individuals.

                    Or

    (b) Describe cockpit display objectives and laws for cockpit instrument display design.

18. (a) Narrate the cognitive issues of TFM and assertion about traffic management skills.

                    Or

    (b) Explain basic training issues in air traffic flow management.

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C–1239	Sub. Code
	92037

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Third Semester

Airline and Airport Management

TRAVEL AND TOURISM MANAGEMENT

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1.   What are the major documents required for international travel?

2.   Define a VISA and least few types of VISA.

3.   Mention few resources of itinerary planning.

4.   Differentiate between a wholesaler and retailer (travel agencies).

5.   Write the full form of ITDC.

6.   List the various sectors in the tourism industry.

7.   Mention the two types of linkages with the principles service provides.

8.   Define a special interest tour with relevant examples.

9.   What are the major components of a tour package?

10. Mention at least five tour pricing strategies.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Write briefly on the functions of ground operators.

Or

(b) Discuss in brief on the activities of "Thomas Cook" in the Indian tourism market.

12. (a) Elaborate briefly on the functions of a travel agency.

Or

(b) Write short notes on MICE.

13. (a) Explain the various steps involved in itinerary planning.

Or

(b) Enumerate briefly on the various steps involved in the determination of a tour price.

14. (a) Elaborate on the roles and functions of UFTAA.

Or

(b) Write in brief on the aims and objectives of TAAI.

15. (a) Write short notes on the current trends of air transportation in India.

Or

(b) Enumerate on the significance of the accommodation sector in the tourism industry.

C–1239

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Elaborate on the current tourism trends.

Or

(b) Discuss in detail on the various types tour costing and tour pricing strategies with relevant examples.

17. (a) Write a detailed account on the linkages and integration of travel trade intermediaries with the principle service provides.

Or

(b) Enumerate on the criteria, business requirements and the various accreditation required to set up a full fledged travel agency.

18. (a) Write elaborately on the various travel formalities required for international travel.

Or

(b) Highlight the significance of the sales distribution systems in the economic viability of the tourism industry.

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C–1239

C–1240

Sub. Code
92041

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Fourth Semester

Airline and Airport Management

AVIATION MAINTENANCE MANAGEMENT

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Define redesign.

2. What is failure rate patterns?

3. What is material directorate?

4. What is ATA document?

5. Define Airframe.

6. What are the uses of computer?

7. What is ground support equipment?

8. Define crew skill.

9. What is injury reporting?

10. Define quality audit.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about aircraft certification.

Or

(b) Explain about goal and objectives of maintenance in aircraft.

12. (a) Explain about manager level functions in aircraft maintenance.

Or

(b) Explain about Engineering order preparation in aircraft.

13. (a) Explain about forecasting for production planning in aircraft maintenance.

Or

(b) Explain about computer program modules in aircraft maintenance.

14. (a) Explain about Aircraft log book.

Or

(b) Explain in detail the hangar maintenance activity in aircraft.

15. (a) Explain about ISO 9000 quality standard in aircraft.

Or

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

2 **C–1240**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss about role and process of MSG approach in aircraft maintenance.

Or

(b) What are the role and responsibilities of an Engineer and mechanic in aircraft maintenance department?

17. (a) Explain about technical services in aircraft maintenance.

Or

(b) Explain about airline training courses in maintenance.

18. (a) Discuss about line management in aircraft maintenance.

Or

(b) Explain about :

(i) QC basic inspection policies

(ii) The Functions of Quality audits.

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3 **C–1240**

C–1241	Sub. Code 92042

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Fourth Semester

Airline and Airport Management

AIR TRAFFIC CONTROL

(2016 Onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Define ergonomics.

2. What is Rule based behaviour?

3. Define perception.

4. What is decision making?

5. Name three communication styles.

6. Define stress.

7. What is ADS – B ?

8. Define culture.

9. What is circadian rhythm?

10. What is a primary radar?

Part B (5 × 5 = 25)

Answer **all** questions

11. (a) Explain about Engineering model.

Or

(b) Explain ways of managing human errors.

12. (a) Explain factors that affect decision making m A.T.C.

Or

(b) What are the psycho – motor skills required for A.T.C.

13. (a) Explain stages of group development.

Or

(b) Explain various communication styles.

14. (a) What is a radar? Explain Primary and Secondary radar.

Or

(b) Explain about G.N.S.S.

15. (a) Explain P.T.S.D and its factors.

Or

(b) Explain the effects of lack of sleep in A.T.C. environment.

2 **C–1241**

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about slips, lapse, mistakes and violations in A.T.C.

Or

(b) Explain information processing with a neat diagram.

17. (a) What is non – verbal communication? Explain various types of non – verbal communication.

Or

(b) Explain why humans are better in their abilities than machines.

18. (a) Explain the factors that lead to human errors in A.T.C.

Or

(b) What are the causes and effects of stress in A.T.C? Explain.

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3   **C–1241**

C–1242

Sub. Code
92043

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Fourth Semester

Airline and Airport Management

AVIATION RULES AND REGULATIONS

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. What is A.I.C. and A.A.C.?

2. What is the purpose of Aircraft Act 1934?

3. Define mandatory modification.

4. What is M.E.L?

5. Define major defects.

6. Write the categories of aircrafts under which certificate of air worthiness is issued.

7. What is special flight permit?

8. What is R.T.C.?

9. What is S.T.C.?

10. Define Aerodrome.

Part B $(5 \times 5 = 25)$

Answer **all** questions.

11. (a) Write about Indian Aircraft Act 1934.

Or

(b) Explain various types of modification.

12. (a) Explain Type certificate, Restricted Type Certificate and supplemental Type certificate.

Or

(b) What are the requirements and procedure for the issue/validation of certificate of Airworthiness (C of A).

13. (a) Explain the categories of aircraft maintenance engineers licence.

Or

(b) Explain various categories of organisation and procedure for initial approval.

14. (a) Write about aircraft defect recording, reporting and investigation procedure.

Or

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

15. (a) Define M.E.L. What are categories of M.E.L. item and approval procedure by operators.

Or

(b) Write the requirements, procedure and evaluation of flight testing of aircraft.

2 **C–1242**

Part C   (3 × 10 = 30)

Answer **all** questions.

16. (a) What is Log book? Explain the purpose, types, information contained and preservation of log books.

Or

(b) Write the description and requirements of Aircraft flight manual.

17. (a) Explain the procedure for issue and revision/ amendment of Civil Aviation Requirements (C.A.R.) by D.G.C.A.

Or

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

18. (a) Explain the procedure, rules and requirements for issue of certificate of Registration (C of R) of aircraft.

Or

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

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3   **C–1242**

C–1243	Sub. Code
	92044

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Fourth Semester

Airline and Airport Management

STRATEGIC AVIATION MANAGEMENT

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **All** questions.

1.   What is the meaning of Strategic management?

2.   What is the purpose of SWOT analysis?

3.   State the meaning of Synergy.

4.   What is meant by niche Strategy?

5.   State the meaning of Conflict.

6.   What do you mean by benchmark?

7.   Why do firms go for B.P.O.?

8.   State the meaning of Vertical integration.

9.   What is meant by environmental scanning?

10.   What is the objective of Portfolio Management?

Part B (5 × 5 = 25)

Answer **ALL** questions.

11. (a) Explain the elements of Strategy.

Or

(b) Enumerate the components of micro and macro economic environment.

12. (a) List out the driving forces of Competitive advantage.

Or

(b) What is meant by Strategic Alliance? Explain the types of alliances.

13. (a) What are the features of differentiation strategy?

Or

(b) List out the factors influencing business ethics.

14. (a) Enumerate the steps involved in designing strategies.

Or

(b) Explain the methods of managing resistance to change.

15. (a) Explain the role of E-commerce in strategy execution.

Or

(b) Explain the various types of strategy implementation control.

2 **C – 1243**

Part C (3 × 10 = 30)

Answer **ALL** questions.

16. (a) Describe the techniques used environmental analysis.

Or

(b) Describe the methods of industry analysis.

17. (a) Explain how BCG matrix form of analysis can be useful for strategy formulation.

Or

(b) What are the techniques used to evaluate operational control.

18. (a) Explain McKinsey's 7 's' frame work with reference to strategy implementation.

Or

(b) Explain the support systems that are useful for strategy execution.

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C – 1243

C–1244	Sub. Code
	92045

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

Fourth Semester

Airline and Airport Management

AIRPORT ENGINEERING

(2016 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. What is Aerodrome Beacon?

2. What is LCN?

3. Define Stopway and Clearway.

4. What is an X-ray unit? Why it is installed in an airport?

5. List out the objectives of ATC.

6. Define Gate and Gate Capacity.

7. What is Greenfield Airport?

8. List out the functions of Briefing centre.

9. What is ARP?

10. What are the goods prohibited for carriage by air?

Part B   (5 × 5 = 25)

Answer **all** questions

11. (a) Narrate the Air Freedom Rights.

                    Or

     (b) Explain the Principles of Airport Layout with a neat sketch.

12. (a) Explain Runway markings and Taxiway marking with neat sketch.

                    Or

     (b) Describe Aeroplane parts with neat sketch.

13. (a) Explain the sources of Airport Revenue.

                    Or

     (b) Draw the Flowchart of Terminal Passenger Flows.

14. (a) Explain Runway Lighting and Taxiway lighting system.

                    Or

     (b) Narrate the Airport Lounge Area Requirements.

15. (a) Explain VFR and IFT.

                    Or

     (b) Describe Flight plan and its content.

              Part C   (3 × 10 = 30)

          Answer **all** questions.

16. (a) Explain ICAO and its functions.

                    Or

     (b) Write a brief note on Apron, Holding Apron, and Terminal Apron.

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17. (a) Explain VASI and PAPI lighting with neat sketch.

Or

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

18. (a) Explain the Brief description and use of NDB. VOR. DME and ILS.

Or

(b) Explain Air Traffic Control Network and the features of air traffic services.

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