

**C-0507**

**Sub. Code**

**92011**

**M.B.A. DEGREE EXAMINATION, APRIL 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 management ethics?
2. Distinguish management and administration.
3. Define 'Business Planning'.
4. What is strategy?
5. What do you mean by delegation of authority?
6. Define culture.
7. Differentiate the autocratic leader from democratic leader.
8. What is meant by co-ordination?
9. State the meaning of span of control.
10. What is meant by Business Process outsourcing?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Trace the development of management thought in the early stages.

Or

- (b) What are the outcome of Hawthorne studies?

12. (a) Explain the functions of organisation.

Or

- (b) What are the qualities of a good leader?

13. (a) Explain the process of controlling.

Or

- (b) Explain the features of Just in Time.

14. (a) Explain the methods of departmentation.

Or

- (b) Explain the functions of operations management.

15. (a) Distinguish between line and staff functions.

Or

- (b) Explain Maslow's need hierarchy theory.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Enumerate the functions of management.

Or

(b) Briefly explain the principles of scientific management.

17. (a) What are the bases for building organisational structures?

Or

(b) Enumerate the factors influencing the decision making process.

18. (a) Enumerate the global controlling process and challenges for managers.

Or

(b) Write short notes on :

(i) TQM

(ii) Six sigma.

---

<b>C-0508</b>
---------------

<b>Sub. Code</b>
------------------

<b>92012</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 2019**

**First Semester**

**Organizational Behaviour**

**AIRLINE AND AIRPORT MANAGEMENT**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is personality?
2. Define attitude.
3. What is organizational behaviour?
4. What is Impression management?
5. Define group.
6. What is work force diversity?
7. What do you mean by organizational change?
8. What is homogeneity and heterogeneity?
9. What is political behaviour?
10. What is meant by cognitive dissonance?

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

11. (a) Explain management functions and its relevance to organisational behaviour.

Or

- (b) What is personality? Explain the determinants of personality.

12. (a) Explain the importance of values.

Or

- (b) Explain types of management ethics.

13. (a) Explain levels of conflict in organization.

Or

- (b) Explain the stages for the development of teams.

14. (a) Explain the reasons why people resist change.

Or

- (b) Explain ethical issues in organisational culture.

15. (a) Explain the challenges of cultural diversity at international level.

Or

- (b) What are the ways of managing work force diversity? Explain.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the challenges and opportunities of organisational behaviour.

Or

- (b) Explain the methods of assessing personality.

17. (a) Explain various conflict resolution strategies.

Or

- (b) What is stress? Explain its causes and how to manage stress.

18. (a) What is organizational change? Explain the approaches to managing planned change.

Or

- (b) Explain various interventions of organizational development.
-

**C-0509**

**Sub. Code**

**92013**

**M.B.A. DEGREE EXAMINATION, APRIL 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 the meaning of two-way communication?
2. What is meant by barrier to communication?
3. What do you mean by correspondence?
4. State the meaning of postscript (P.S)
5. Distinguish between formal and informal reports.
6. What is meant by stationary report?
7. What do you mean gesture?
8. What is the use of graphic aids in communication?
9. State the meaning of quorum.
10. Define 'Resolution'.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the media for communication.

Or

- (b) What are the types of communication?

12. (a) What are the advantages and limitations of computers in communication?

Or

- (b) Explain the various forms of grapevine communication.

13. (a) What is the layout of a business letter? Explain its parts.

Or

- (b) What are the kinds of business letter?

14. (a) What are the stages of collection letter?

Or

- (b) What are the contents of sales promotion letter?

15. (a) Explain the different forms of reports.

Or

- (b) Draft a sales promotion letter about launching a two wheeler to dealers.



**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the different types of communication.

Or

- (b) As the sales agent of India Electronics Ltd. you received a consignment of 10 washing machines. On receipt of the consignment, you found that two machines were damaged in transit. Draft a complaint letter to India Electronics to take back the damaged items and adjust your account with them.

17. (a) As the project manager of India Sugars Ltd. prepare a project report to start a sugar factory in your place.

Or

- (b) What are the characteristics of good speech? Draft a speech to felicitate a friend who won an election?

18. (a) Discuss the procedure to conduct annual meeting of investors club.

Or

- (b) Explain the various types of non-verbal communication.
-

<b>C-0510</b>
---------------

<b>Sub. Code</b>
------------------

<b>92014</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 2019**

**First Semester**

**Airline and Airport Management**

**FINANCIAL AND MANAGEMENT ACCOUNTING**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is Financial accounting?
2. What is Business entity concept?
3. What is Ratio analysis?
4. State the meaning of Turnover ratios.
5. What are the source of funds?
6. Explain about fund flow statement analysis.
7. Define cost accounting.
8. What is meant by cost centre?
9. What is Zero base budget?
10. List out the types of budgets.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the accounting conventions in detail.

Or

- (b) What is Book-keeping? Distinguish between Accounting and Book-keeping.

12. (a) Write short notes on :
- (i) purchase book
  - (ii) sales book
  - (iii) purchase return book
  - (iv) sales return book.

Or

- (b) Journalise the following transactions of M/S Gokul & sons.

2018

- April 1 Business started with Rs.2,50,000 and cash  
Deposited into bank Rs.1,50,000
- 3 Purchased Machinery for cash Rs.50,000
- 5 Goods sold to raja Rs.25,000
- 8 Bought goods from Chandru Rs.10,000
- 19 Cash paid to Chandru Rs.6,000
- 25 Paid rent Rs.2,500.

13. (a) Distinguish between fund flow analysis and cash flow analysis.

Or

- (b) From the following Balance Sheet of Rajasekar Ltd., you are required to prepare a cash flow statement

Liabilities	2016	2017	Assets	2016	2017
	Rs.	Rs.		Rs.	Rs.
Share capital	4,00,000	5,00,000	Cash	60,000	94,000
Trade creditors	1,40,000	90,000	Debtors	2,40,000	2,30,000
Profit and loss a/c	20,000	46,000	Stock	1,60,000	1,80,000
			Land	1,00,000	1,32,000
	<u>5,60,000</u>	<u>6,36,000</u>		<u>5,60,000</u>	<u>6,36,000</u>

14. (a) What is Cost sheet? Explain the purposes of cost sheet.

Or

- (b) Distinguish between the process costing and job costing.
15. (a) Explain about Break even analysis and Break even point.

Or

- (b) The fixed expenses of an (individual) industrial concern amount to Rs.1,80,000. Its variable cost per unit is Rs.29 and selling prices is Rs.44 per unit.

Calculate the Break even point.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Distinguish between financial accounting and cost accounting.

Or

- (b) Following balances are obtained from the books of Senthil on 31.3.2017. Prepare Trading and Profit and loss a/c and Balance Sheet as on that date :

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
Opening stock	6,250	Plant and Machinery	31,150
Sales	59,000	Return outward	6,900
Depreciation	3,335	Cash in hand	4,475
Commission (cr.)	1,055	Salaries	3,750
Insurance	1,900	Debtors	9,525
Carriage inwards	1,500	Discount (dr.)	,1640
Furniture	3,350	Bills Receivable	13,650

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
Printing charges	2,405	Wages	7,945
Carriage outwards	1,000	Returns inwards	8,295
Capital	46,140	Bank overdraft	20,000
Creditors	8,900	Purchases	43,395
Bills payable	2,705	Petty cash in hand	235
		Bad debts	900

The value of stock on 31<sup>st</sup> March 2017 was Rs.18,500.

17. (a) Explain the merits of ratio analysis.

Or

- (b) From the following Information relating to Vyshak Bros. Ltd., you are required to find out :

- (i) P/V ratio
- (ii) Profit
- (iii) Break even point
- (iv) Margin of safety
- (v) Volume of sales to earn profit of Rs.6,000

Total fixed cost	Rs.4,500
Total variable cost	Rs.7,500
Total sales	Rs.15,000

18. (a) Explain the difference between Budgetary control and Standard costing.

Or

- (b) Explain about the advantages and limitations of zero base budgeting.

<b>C-0511</b>
---------------

<b>Sub. Code</b>
------------------

<b>92015</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 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. What is meant by linear model?
2. Find  $\int_0^{25} \frac{1}{\sqrt{x}} dx$ .
3. Find the arithmetic mean of the following 25, 32, 28, 34, 24, 31, 36, 27, 29, 30.
4. Define positive correlation with an example.
5. Define normal distribution.
6. Find the probability of drawing an ace (or) a queen from an ordinary decks of playing cards.
7. What is meant by time series?
8. Define CPT and Nitty.
9. Define null hypothesis with an example.
10. Define level of significance in testing hypothesis.

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

11. (a) Explain notion of constants with example.

Or

- (b) Evaluate
- $\int_1^{10} (\log x)^2 dx$
- .

12. (a) Find the mode of the following series

C.I	0-10	10-20	20-30	30-40
<i>f</i>	5	7	12	28
C.I	40-50	50-60	60-70	
<i>f</i>	20	10	5	

Or

- (b) The annual salaries of a group of employees are given below

Salaries (in 1000)	45	50	55	60	65	70	75	80
No. of persons	3	5	8	7	9	7	4	7

Calculate standard deviation of the series.

13. (a) A box contains 8 times of which 2 are defective. A man select 3 items at random. Find expected number of defective item the has drawn.

Or

- (b) State the characteristics of normal distribution.

14. (a) What do you mean by time series analysis. How is it usefull for decision making.

Or

- (b) Calculate Fisher's Ideal Index number from the following data:

Commodity	Price		Quantity	
	2009	2010	2009	2010
A	3	4	20	18
B	4	5	25	20
C	2	2	10	12
D	8	10	12	10
E	20	25	40	40

15. (a) Differentiate the following
- Statistics and parameter
  - Null and alternate hypothesis.

Or

- (b) Two samples of 100 electronic bulbs each has a means 1500 and 1550 standard deviation 50 and 60. Can it be conclude that two brands differ significantly at 2% level of significance inequality?

**Part C** (3 × 10 = 30)

Answer **all** questions.

16. (a) The production manager of a company plans to include 180 sq. cm of actual printed matter in each page of a book. Under production. Each page should have 2.5 cm margin along top and bottom and 2.0 cm wide margin along the sides. What each printed page?

Or

- (b) From the prices of shares X and Y are given below state which shares is more than stable in value

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



17. (a) Find the probability that atmost 5 defective. Fuses will be found in a box of 200 fuses if experiences. Show that 2% of such fuses are defective.

Or

- (b) Explain the process of estimating errors variance and standard errors of regression estimators.
18. (a) Calculate the price index number by
- (i) Paasche's method
  - (ii) Laspeyre's method
  - (iii) Bowley's method
  - (iv) Fisher's method
  - (v) Marshall-edge worth method

Commodity	1979		1980	
	P	Q	P	Q
A	20	8	40	6
B	50	10	60	5
C	40	15	50	10
D	20	20	20	50

Or

- (b) Calculate standard error of mean from the following data:

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

<b>C-0512</b>
---------------

<b>Sub. Code</b>
------------------

<b>92016</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 2019**

**First Semester**

**Airline and Airport Management**

**AIRPORT ECONOMICS**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define airport.
2. State the importance of economics in aviation studies.
3. Define airport slot.
4. List out the financial losses of air traffic delay.
5. Define airport charges and list out the types of airport charges.
6. List out the objectives of pricing.
7. What is meant by aerotropolis?
8. Define airport budget.
9. Write the principles of air navigation charges.
10. What are the objectives of airport regulation?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the principles of airport management.  
Or  
(b) Describe the various airport categories.
12. (a) Narrate the various factors impeding airport capacity.  
Or  
(b) Draw the flowchart of a typical terminal building passenger flows.
13. (a) Detail out the airport competitive factors.  
Or  
(b) Describe the hub and spoke airport strategies.
14. (a) Explain the principles of airport pricing and factors that determine pricing.  
Or  
(b) Enumerate the typical airport business plan and budget.
15. (a) Explain the various forms of regulatory mechanism.  
Or  
(b) Describe the advantages and disadvantages of airport privatization.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the history and development of airports.  
Or  
(b) Narrate the various functions of airports.

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

Or

- (b) Describe the compensatory approach and residual approach of airport cost methods.

18. (a) How are airport performance measured? State the importance of measuring standards for airport services.

Or

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

---

<b>C-0513</b>
---------------

<b>Sub. Code</b>
------------------

<b>92021</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 2019**

**Second Semester**

**Airline and Airport Management**

**HUMAN RESOURCE MANAGEMENT**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define HRM.
2. Define redundancy plan.
3. What is Job Design?
4. Define MPDQ.
5. What is Cross functional training?
6. State the meaning of Demotion.
7. What do you meant by fringe benefits?
8. Distinguish between gain sharing and profit sharing incentive plans.
9. What is meant by grievances handling?
10. What do you mean by collective bargaining?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write short note on Strategic Resource Management.

Or

- (b) Explain the process of Manpower planning.

12. (a) Explain the different methods of recruitment. Give examples for each.

Or

- (b) Write short notes on Job description and job specification.

13. (a) Explain the different methods of On The Job training.

Or

- (b) Explain the Performance Appraisal Process.

14. (a) Write short notes on Piece rate system and Standard Hour incentive plans.

Or

- (b) What are the components of Employee compensation?

15. (a) Write short note on collective bargaining.

Or

- (b) Explain the concept of Effective safety Management.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the various functions of Personnel Manager.

Or

- (b) Explain in detail about Selection process.
17. (a) Write in detail about different methods of Job Evaluation.

Or

- (b) What is Executive-development? Explain the various methods of Management development programmes.
18. (a) Write in detail the types of Fringe benefits provided by organisations.

Or

- (b) What is Trade union? Discuss the objectives and functions of trade union in India.

---

**C-0514**

**Sub. Code**

**92022**

**M.B.A. DEGREE EXAMINATION, APRIL 2019**

**Second Semester**

**Airline and Airport Management**

**BUSINESS RESEARCH METHODS**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is meant by empirical research?
2. State the meaning of panel research.
3. What do you mean by sampling error?
4. Differentiate Type I Error from Type II Error.
5. What is called as Extraneous variable?
6. What is the meaning of case study?
7. State the meaning of pilot study?
8. What is 'Z' test?
9. What is 'Sign' test?
10. What is the meaning of Technical Report?



**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) List out the various types of research.

Or

- (b) Explain the features of scientific methods of research.

12. (a) Enumerate the merits and demerits of case study.

Or

- (b) Write a short note on parametric and non-parametric tests.

13. (a) Explain the characteristics of sound measurement.

Or

- (b) Explain the principles of experimental design.

14. (a) What are the bases for classifying measurement scale?

Or

- (b) What is meant by pre-testing of questionnaire? Explain its uses and limitations.

15. (a) Explain the methods of observation in data collection.

Or

- (b) Explain the steps used to draft a research report.

**Part C** $(3 \times 10 = 30)$ Answer **all** questions.

16. (a) Explain the importance and steps in identifying research problem.

Or

- (b) Explain the salient features of exploratory research and compare it with descriptive research.

17. (a) Explain the procedure adopted in data processing.

Or

- (b) What is hypothesis? Explain the steps used to test hypothesis.

18. (a) Discuss the applications and suitability of various types of tests in the statistical analysis.

Or

- (b) A man buys 50 electric bulbs of Philips and 50 electric bulbs of HMT. He finds that Philips bulbs give an average life of 1500 Hours with SD of 60 hours and HMT bulbs give an average life of 1512 hour with 50 of 80 hours. Is there a significant difference in the mean life of the two makes of bulbs.
-

<b>C-0515</b>
---------------

<b>Sub. Code</b>
------------------

<b>92023</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 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. Name the models used in quantitative methods.
2. State any two applications of a linear programming.
3. Define pay-off table.
4. What do you mean by initial basic feasible solution?
5. What do you meant by forward scheduling?
6. What is critical path?
7. Explain earliest and lastest time of an activity.
8. Explain PERT.
9. Briefly explain queuing models.
10. Define optimistic time with example.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the steps involved in decision making process?

Or

- (b) What is the procedure for forming a LPP model?

12. (a) Explain the various steps involved in solving transportation problem using rogel's approximation method.

Or

- (b) Find the feasible solution of the following transportation problem by using least cost method.

	W <sub>1</sub>	W <sub>2</sub>	W <sub>3</sub>	W <sub>4</sub>	Supply
F <sub>1</sub>	14	25	45	5	6
F <sub>2</sub>	65	25	35	55	8
F <sub>3</sub>	35	3	65	15	16
Demand	4	7	6	13	40 (total)

13. (a) Describe the problem of complex sequencing.

Or

- (b) Explain the method of processing 2 jobs through K machines.

14. (a) Discuss in brief. Also explain their uses in network

- (i) Total float
- (ii) Free float
- (iii) Independent float.

Or

- (b) If there are five activities P, Q, R, S and T such that P, Q, R have to immediate predecessors. P, Q and Q, R respectively. Represent this situation by a network.

15. (a) Draw a network diagram for the following data and calculate EST, EFT, LST and LFT.

Activity	Time (in days)
1-2	4
1-3	1
2-4	1
3-4	1
3-5	6
4-9	5
5-6	4
5-7	8
6-8	1
7-8	2
8-10	5
9-10	7

Or

- (b) How would you deal with replacement of items that fails completely and suddenly?

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Find the sequence that minimizes the total elapsed time (in hrs) required to complete the following job. On three machines  $M_1$ ,  $M_2$  and  $M_3$  in the order

Machines	Jobs				
	A	B	C	D	E
$M_1$	5	7	6	9	5
$M_2$	2	1	4	5	3
$M_3$	3	7	5	6	7

Or

- (b) Solve the following problems by Rogel's approximation method

	Method			Supply
6	4	1		50
3	8	7		40
4	4	2		60
Demand	20	95	35	150 (total)

17. (a) Use the graphical method to solve the following LPP

$$\text{Min } Z = 20x_1 + 10x_2$$

Subject to

$$x_1 + 2x_2 \leq 40$$

$$3x_1 + x_2 \geq 30$$

$$4x_1 + 3x_2 \geq 60$$

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

Or

- (b) Use Dual simplex method to solve the following LPP.

$$\text{Min } Z = x_1 + x_2$$

Subject to

$$2x_1 + x_2 \geq 4$$

$$x_1 + x_2 \geq 7$$

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

18. (a) How does PERT technique help a business manager in decision making?

Or

- (b) Briefly discuss the application of queuing theory in Industrial Management.

**C-0516**

**Sub. Code**

**92024**

**M.B.A. DEGREE EXAMINATION, APRIL 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 Aviation.
2. Define the term AMP.
3. What do you mean by aerodrome?
4. What is air freedom right?
5. What is the need for safety?
6. Types of Airport Regulation.
7. Classification of commercial aircraft.
8. Define the term FBOs.
9. What is meant by ATC?
10. What do you mean by Navigation system?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about growth of Aviation Industry in the economics development of country.

Or

- (b) Enumerate the function of airport management.

12. (a) List out the function of airport operational management.

Or

- (b) Describe the functional management area in airport Terminal.

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

Or

- (b) Enumerate the principles of airport protection.

14. (a) Briefly state the functions of general Aviation.

Or

- (b) Explain in detail the types of general aviation airports.

15. (a) What are the features of Infrastructure safety?

Or

- (b) Explain about the airspace congestion Issues.



**Part C**

(3 × 10 = 30)

Answer **all** questions.

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

Or

- (b) Describe the configurations and uses of general aviation.

17. (a) Briefly explain about the aviation regulatory mechanism in India.

Or

- (b) Describe Air Traffic control operation in the three phases of flight.

18. (a) Briefly explain the Airport Navigation system.

Or

- (b) Discuss in detail the different techniques adopted in civil aviation Industry.
-

**C-0517**

**Sub. Code**

**92025**

**M.B.A. DEGREE EXAMINATION, APRIL 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. Define clearway.
2. What is meant by duty to care?
3. What is meant by law of torts?
4. What is load manifest?
5. What is airworthiness?
6. Define HAZMAT training.
7. What is observer seat?
8. What is meant by WAT? Who prepares it?
9. Mention three types of maintenance manual retrieval System.
10. Expand the following:
  - (a) LAHSO
  - (b) CASE.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Briefly explain about Inoperable instruments and equipments.

Or

- (b) Explain the different types of operations performed by air carriers.

12. (a) Explain the organizational structure of air carrier with a diagram.

Or

- (b) Describe people express exemption 3585.

13. (a) What is meant by knot? What are the items calibrated and marked in knots?

Or

- (b) Narrate about the Airworthiness requirement.

14. (a) What are the four types of operating manuals? Briefly explain.

Or

- (b) Write briefly about the flight dispatcher and his/her functions under Part 121.

15. (a) What are the management positions under FAR Part 135? Briefly explain.

Or

- (b) Distinguish between dispatcher release document and flight release document.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

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

Or

- (b) Explain the required management position under FAR Part 121.

17. (a) What are the instruments and equipments should be operational for take off?

Or

- (b) What is alcohol prevention programme? Explain in detail.

18. (a) Briefly Explain about the airworthiness standards imposed by FAA on transport category aircrafts.

Or

- (b) Explain briefly about airplane security programme.

---

<b>C-0518</b>
---------------

<b>Sub. Code</b>
------------------

<b>92026</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 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. Define Leadership.
2. Define the term PESTE.
3. What is product life cycle?
4. Define revenue management.
5. What is airline selling?
6. Types of strategies channel.
7. Define airport marketing.
8. Define all cargo airports.
9. What is meant by airport enterprise business?
10. What do you mean by bench marking?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about the environment factors in airline business.

Or

- (b) Explain the variables in the air passenger traffic.

12. (a) Enumerate the pricing and revenue management.

Or

- (b) Describe the functional customer service related product features.

13. (a) Explain the function of travel agency distribution system.

Or

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

14. (a) Briefly state the functions of airport enterprise.

Or

- (b) What are the factors influencing the revenue of an airport?

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

Or

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

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the Function airline business and marketing strategies.

Or

- (b) Briefly Explain about the airline pricing uniform and differentiated pricing.

17. (a) Briefly explain about the travel agency distribution system.

Or

- (b) Describe the channel strategies of airline marketing.

18. (a) Briefly Explain about the roles of the actors involved in the air transport value chain.

Or

- (b) Describe the Function of air passenger market and air freight market.

---

**C-0519**

**Sub. Code**

**92027**

**M.B.A. DEGREE EXAMINATION, APRIL 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 Logistics management?
2. What do you mean by customer service?
3. What are the links in supply chain?
4. What is meant by breaking the bulk?
5. State the meaning of material handling.
6. What is meant by block storing?
7. What do you mean by Route planning?
8. Define E-commerce.
9. What is the aim of Logistic audit?
10. State the meaning of global logistics.



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

11. (a) What are the objectives of logistics management?

Or

- (b) How can customer services be designed to face competition?

12. (a) List out the functions of warehouses.

Or

- (b) Describe the layout of a warehouse design.

13. (a) What are the benefits of good storage system?

Or

- (b) Explain the role of inventory in the logistic supply chain.

14. (a) Distinguish between consumer packaging and logistic packaging.

Or

- (b) Enumerate the characteristics of logistics Information system. State its importance.

15. (a) Explain reverse logistics as a tool of competitive advantage.

Or

- (b) List the barriers in cross border logistics. Suggest ways to overcome them.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the functions of logistics management.

Or

- (b) Explain the material handling methods and equipments.

17. (a) Discuss the site selection criteria for location of warehouse.

Or

- (b) Describe the automatic material handling system in logistics.

18. (a) What are the various materials used in logistical packaging? State the relative merit.

Or

- (b) Discuss the various types of logistic strategies being used across the industry.

---

**C-0520**

**Sub. Code**

**92031**

**M.B.A. DEGREE EXAMINATION, APRIL 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. Define Aviation security.
2. Define the term ICAO.
3. Type of missiles.
4. What is sky marshal program?
5. What is the need for aircraft safety?
6. Define X-Ray Inspection.
7. What is Radiation?
8. Define the term TAS.
9. What is Media Intrusion?
10. What do you mean by Biometric system?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about growth of Protecting public Air transportation.

Or

- (b) Describe the Aviation Regulation and air Law.

12. (a) Explain about the sky marshal program.

Or

- (b) Describe the function of federal Air marshal program.

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

Or

- (b) Enumerate the principles of Metal Detectors.

14. (a) Briefly state the functions of Aviation safety Assessment program.

Or

- (b) Explain in detail the Passengers Rights.

15. (a) What are the features of video security system?

Or

- (b) Explain about the airspace Alarm sensors.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the Function of airport security operation.

Or

- (b) Briefly explain about the Defense intelligence Agency.

17. (a) Briefly explain about the Hand-Held Body scanners X-Ray inspection Operating performance.

Or

- (b) Describe the cargo Carrier Responsibility and aviation safety.

18. (a) Briefly explain the Discuss briefly about Microwave Holographic Imaging.

Or

- (b) Differentiate blast containment and blast management.
-

**C-0521**

**Sub. Code**

**92032**

**M.B.A. DEGREE EXAMINATION, APRIL 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. Define Airport system.
2. Define Traditional Planning Approach.
3. Type of Airline.
4. What is Investment Strategies?
5. What is the need for Airfield?
6. Define regulatory Policies.
7. Types of airport Terminal.
8. Define the navigational system.
9. What is airport ground access?
10. List out the different types of role of airport.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about growth of traditional Planning approach.

Or

- (b) Describe the airport Traditional roles.

12. (a) Explain about the airport Revenues and Costs.

Or

- (b) Describe the Economics of Airport benefits.

13. (a) Explain about the airport Planning principles and processes.

Or

- (b) Enumerate the Principles of forecasting in a System.

14. (a) Briefly state the functions of airport administration.

Or

- (b) Explain in detail the lighting-Navigational system.

15. (a) What are the features of Political and social role of airport?

Or

- (b) Explain about the environmental impact of airport.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

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

Or

- (b) Briefly explain about the nature of airport strategic Planning.

17. (a) Briefly explain about the National airport System Planning.

Or

- (b) Describe the Air traffic Control and surveillance.

18. (a) Briefly explain the discuss briefly about airport regulatory policies.

Or

- (b) Describe and briefly explain about the Airport weather reporting facilities.

\_\_\_\_\_



<b>C-0522</b>
---------------

<b>Sub. Code</b>
------------------

<b>92033</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 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 do you mean by financial planning?
2. Define cash flow.
3. What is public deposit?
4. Define the term loan.
5. What is meant by valuing right to airport slot?
6. Define capital budgeting
7. What is aircraft securitization?
8. Name the types of aircraft leasing.
9. Define mergers.
10. What is the time value of money?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the functions and scope of financial management?

Or

- (b) Explain the role and responsibilities of a financial manager.

12. (a) Explain about public deposit.

Or

- (b) Write a short note on :

- (i) The venture capital  
(ii) The bank over draft.

13. (a) What are the internal and external sources of airline finance?

Or

- (b) Explain the nature and need for working capital.

14. (a) Write short notes on :

- (i) Types of Airline leasing  
(ii) Hire purchase.

Or

- (b) Explain about types of aircraft securitization.

15. (a) What are the functions of foreign exchange market?

Or

- (b) Explain investment decision in aircraft finance management.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss in detail the cash flow and fund flow statement in aircraft financial management.

Or

- (b) Explain long term funds in financial management.
17. (a) Bring out the merits and demerits of leasing in aircraft financial management.

Or

- (b) Discuss about rating agencies.
18. (a) What is merger and acquisitions ?its explain.

Or

- (b) Explain about airline financial planning and budgetary control.
-

**C-0523**

**Sub. Code**

**92034**

**M.B.A. DEGREE EXAMINATION, APRIL 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 is cost control?
2. Name the types of emergency in aircraft.
3. Define drop off.
4. Explain SPT.
5. What is claim area?
6. What is meant by local baggage committee?
7. What is food hygiene?
8. What is food composition?
9. What you meant by aircraft refueling?
10. What is aircraft damage reporting?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the role and responsibilities of station manager?

Or

- (b) Explain about airline operation committee.

12. (a) Write a short note on fast travel programme in aircraft.

Or

- (b) Explain about simplifying passenger handling.

13. (a) Explain about the role and responsibilities of baggage service staff.

Or

- (b) What are the types of baggage tags and elements of baggage tag numbers?

14. (a) Short notes on :

- (i) The hygiene audit  
(ii) The crew food.

Or

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

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

Or

- (b) Explain about risk management system.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) What are the types of emergencies arise in the airport and how to curtail them?

Or

- (b) Discuss about budgets and airport revenue in airline management.

17. (a) Short notes on :

- (i) CUTE
- (ii) MITA
- (iii) IROPS.

Or

- (b) Discuss the formation and functions of baggage handling.

18. (a) Discuss about foreign object damage in aircraft operation.

Or

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

---

**C-0524**

**Sub. Code**

**92035**

**M.B.A. DEGREE EXAMINATION, APRIL 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. What is air cargo?
2. Define logistics.
3. What is air cargo consolidation?
4. What is charges collect shipment?
5. Define freighters.
6. What are the uses of AV7 papers?
7. Define HAWB.
8. What is commercial invoice?
9. Define ACCAI.
10. What is custom clearance?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the features and facilities by air cargo.  
Or  
(b) Explain about logistics in India.
12. (a) Explain about major air cargo crafts and their features.  
Or  
(b) Explain about air cargo elasticity.
13. (a) What are the limitations of air cargo loading?  
Or  
(b) Explain the procedure of air craft loading.
14. (a) Explain about procedure of airline booking.  
Or  
(b) Explain about the export license.
15. (a) Write short on ICAO.  
Or  
(b) Write short notes on cargo warehousing.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain about air cargo freight rates.  
Or  
(b) Explain about.  
(i) Air cargo ways  
(ii) Significance of air transportation in logistics.



17. (a) Explain about mail acceptance procedures AV7 and AV8 papers.

Or

- (b) What are the types of airway bills? Its explain.

18. (a) Explain about airway time calculation in IATA.

Or

- (b) Explain about role and responsibilities of air freight forwarders association.

---

**C-0525**

**Sub. Code**

**92036**

**M.B.A. DEGREE EXAMINATION, APRIL 2019**

**Third Semester**

**Airline and Airport Management**

**FUTURE AVIATION SYSTEMS**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define cargo.
2. What do you mean by gate to gate concept?
3. What are the tariff determinants?
4. What is cockpit?
5. What are the main objectives of cockpit display?
6. Define cabotage.
7. What is cargo flow?
8. Define ATC.
9. Define ergonomics.
10. What is free flight?

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

11. (a) Write short notes on SE manufacturing process.  
Or  
(b) Explain about commercial aircraft.
12. (a) Explain about crew culture in aircraft.  
Or  
(b) Explain about air CRM System approach in future aircraft.
13. (a) Write short note on coding flows in aircraft.  
Or  
(b) What are the cognitive issues in caveat?
14. (a) Write short on conventional ATC system.  
Or  
(b) Explain about government regulation and formalities in air cargo documentations.
15. (a) Explain the stages of design in aircraft.  
Or  
(b) Write short note on ergonomic principles.

**Part C****(3 × 10 = 30)**Answer **all** questions.

16. (a) Discuss about :  
(i) The role of airport in the world  
(ii) Screening hold baggage  
Or  
(b) How cultural factors can affect future aircraft?  
Explain.

17. (a) Explain the nature of traffic flow management.

Or

(b) Explain about air traffic management system.

18. (a) Explain about the psychological and functional impacts of aircraft.

Or

(b) Explain about oceanic operations in aircraft.

---

**C-0526**

**Sub. Code**

**92037**

**M.B.A. DEGREE EXAMINATION, APRIL 2019**

**Third Semester**

**Airline and Airport Management**

**TRAVEL AND TOURISM MANAGEMENT**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What are the formalities required for International travel?
2. Define a Retailer in the Tourism industry.
3. Mention the names of three reputed OTAs.
4. Define Travel trade.
5. Write the full form of ICCA.
6. What is meant by MICE.
7. Name the various diversification strategies for Travel Agency business.
8. What is the difference between a Custom designed and pre packaged Tour package.

9. Write the various steps involved in planning Itineraries.
10. What is meant by Vertical Integration of the principal service providers?

**Part B** (5 × 5 = 25)

Answer **all** questions.

11. (a) Write briefly on the various types of VISA.

Or

- (b) Briefly explain the significance of health documents for International travel.

12. (a) Discuss in brief the aims and objectives of PATA.

Or

- (b) Write briefly on the activities of ITDC.

13. (a) Explain the roles and responsibilities of Tour operators.

Or

- (b) Write short notes on the significance of “Ancillary services” in the Tourism industry.

14. (a) What are the various resources for planning travel itineraries?

Or

- (b) Explain the various functions of a travel agency.

15. (a) Explain briefly on the components of Tour packages.

Or

- (b) Discuss the various Tour pricing strategies with relevant examples.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Elaborate in detail the genesis, activities and business strategies of Thomas Cook.

Or

- (b) Discuss on the Linkages and Integration with the principal Service providers with illustrations.

17. (a) “The Sales distribution system creates a demand for the Tourism products”. Elaborate in detail.

Or

- (b) Discuss in detail on the various criteria to set up a full fledged travel agency, the sources of income for the travel agency and the diversification of Business.

18. (a) Enumerate the importance and various classifications of Tour packages with suitable examples.

Or

- (b) Write a detailed note on Tour formulation and designing process.

<b>C-0527</b>
---------------

<b>Sub. Code</b>
------------------

<b>92041</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 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 Ops specs.
2. Who is a third party?
3. Define quality control.
4. What is A.D.?
5. Define Lubrication.
6. What are the kinds of aircraft maintenance?
7. Name different types of shops.
8. What is C.A.S.S.?
9. Define "Verification" and "Validation".
10. Define "Operational check" and Functional check".



**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the “M and E” Support functions of material.

Or

- (b) What are the functions of Engineering Department?

12. (a) Explain the task oriented maintenance.

Or

- (b) What are the functions of Q.A. in aeronautical field?

13. (a) What are the airline maintenance activities that are to be audited?

Or

- (b) Define Reliability. Explain the types of reliability program.

14. (a) What are basic inspection policies?

Or

- (b) Draw an organisational chart for M and E functions.

15. (a) Explain the several kinds of training activities.

Or

- (b) Briefly state the functions and procedures of P.P. and C.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain “Failure Rate patterns” with suitable diagrams.

Or

- (b) Explain the purposes of regulatory documents.

17. (a) Explain “Ramp” and “Terminal operations.”

Or

- (b) Explain with a neat chart the maintenance oversight functions.

18. (a) Explain the role and responsibilities of M.C.C.

Or

- (b) What are the characteristics of MSG – 3 approach to maintenance and explain how it differs from MSG – 2 approach.

<b>C-0528</b>
---------------

<b>Sub. Code</b>
------------------

<b>92042</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 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 Criticism
2. Define perception
3. What is visual imagery?
4. What are the causes of stress?
5. Define decision making.
6. Name psycho-motor skills required in A.T.C.
7. What is Group polarisation?
8. What is Gate Keeping?
9. Define situation awareness.
10. What is circadian rhythm?

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

11. (a) Explain modelling errors.

Or

(b) Explain the nature of human errors.

12. (a) Explain four kinds of visual illusion.

Or

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

13. (a) Explain various types of non-verbal communication.

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) Explain ways of managing stress.

Or

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

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain SHELL model with a diagram.

Or

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

17. (a) Explain levels of behaviour in A.T.C.

Or

(b) What are the Cognitive and Psycho-motor skills required in A.T.C.?

18. (a) Explain stress and its causes and effects in A.T.C.

Or

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

---

<b>C-0529</b>
---------------

<b>Sub. Code</b>
------------------

<b>92043</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 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 modification?
2. What is R.T.C?
3. Define Aerodrome.
4. What is exit row?
5. What is M.E.L?
6. List out F.A.R/J.A.R. design standards of aircraft. Which are acceptable to D.G.C.A. for issue of type certificate?
7. Define Airworthiness.
8. What is aircraft registration?
9. Who is a flight crew?
10. Define licence.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

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

Or

- (b) Explain Indian Aircraft Rule 1937 and HS applicability.

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

Or

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

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

Or

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

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

Or

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

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

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

Or

- (b) Explain the procedure and requirements for operation of Radio equipments.
17. (a) What is modification? Explain various types of modification and the procedure for issue of mandatory modification.

Or

- (b) Explain the documents to be carried on-board in Indian Registered Civil Aviation Aircraft.
18. (a) Explain Aerodrome licensing requirements and procedure.

Or

- (b) What is a log book? Explain the information contained in, types, preservation and importance of log book.



<b>C-0530</b>
---------------

<b>Sub. Code</b>
------------------

<b>92044</b>
--------------

**M.B.A. DEGREE EXAMINATION, APRIL 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. Define the term strategic management.
2. What is meant by strategic management?
3. State the meaning of M.B.O.
4. What do you mean by synergy?
5. What is the aim of value chain analysis?
6. What is meant by divestiture strategy?
7. Distinguish between merger and acquisition.
8. What is the objective of portfolio analysis?
9. Define the term Total Quality Management.
10. Differentiate between E-Commerce from E-Business.

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

11. (a) What are the elements of strategic management?

Or

- (b) What are the components of environment?

12. (a) What are strategic alternatives?

Or

- (b) What are the types of growth strategies?

13. (a) Explain the concept of miles and snow typology.

Or

- (b) List out the methods of resource allocation.

14. (a) What are the tools and techniques of TQM?

Or

- (b) Mention the merits and demerits of SBU.

15. (a) What are support systems in strategy execution?

Or

- (b) List out the leadership qualities required for strategy implementation.

**Part C****(3 × 10 = 30)**Answer **all** questions.

16. (a) Enumerate the steps in strategic management process.

Or

- (b) Explain the techniques of environmental scanning.

17. (a) Explain Michael Porter's competitive forces.

Or

(b) Explain the strategies adopted to design mission and vision.

18. (a) Enumerate the factors influencing organisational structure.

Or

(b) Enumerate the principles of strategic evaluation.

---

<b>C-0531</b>
---------------

<b>Sub. Code</b>
------------------

<b>92045</b>
--------------

**M.B.A DEGREE EXAMINATION, APRIL 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 ARP?
2. What are the categories of Airport?
3. Define Apron.
4. Draw the various aircraft parking configuration with neat sketch.
5. Define Delay and its types.
6. What are the goods prohibited for carriage by air?
7. What is obstruction lighting?
8. Difference between controller Airspace and Uncontrolled Airspace.
9. What is Marker Beacon?
10. What is stopway?

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

11. (a) Explain DGCA and its functions.

Or

- (b) Describe the function of Airport.

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

Or

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

13. (a) Explain the different types of airport charges.

Or

- (b) Describe the sources of Airport Revenue.

14. (a) Explain Airport security system.

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.

16. (a) Explain the principles of Airport Layout with neat sketch.

Or

- (b) Narrate the Environmental factors to be considered with respect to Airport operations.

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

Or

- (b) Explain Airport Lighting with a neat diagram.

18. (a) Explain the objectives and Features of Air Traffic Services.

Or

- (b) Write the brief description and use of NDB, VOR, DME and ILS.
-