

Roll No.



**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF MANAGEMENT

TEST 1

Sem: Odd Sem 2019-20

Course Code: AVM 101

Course Name: GENESIS AND OVERVIEW OF AVIATION

Program & Sem: BBA Aviation & I

Date: 30.09.2019

Time: 9.30AM to 10.30 AM

Max Marks: 30

Weightage: 15%

Instructions: (i) Answer all the Questions

Part A

Answer all the Questions. Each Question carries one mark.

(1Qx5M=5M)

1. Air corporation act came into being in the year (C.O.NO.1)[Knowledge]
 - a) 1953
 - b) 1803
 - c) 1853
 - d) 1903

2. Nationality identification mark given to India is (C.O.NO.1)[Knowledge]
 - a) IN
 - b) VT
 - c) RS
 - d) CD

3. This Airline started operation after introducing air corporation act in parliament (C.O.NO.1)[Knowledge]
 - a) Jet air
 - b) Indian airlines
 - c) Kingfisher airlines
 - d) Go air

4. The biggest passenger aircraft in operation now is (C.O.NO.2)[Knowledge]
 - a) AB 320
 - b) B 737
 - c) AB 380
 - d) ATR 42

5. Dornier aircraft is manufactured in (C.O.NO.2)[Knowledge]
- a) France
 - b) Netherland
 - c) Germany
 - d) Great Britain

Part B [Thought Provoking Question]

Answer both the Questions. Each question carries five marks. (2Qx5M=10M)

6. Illustrate the functions of different components of an aircraft with a diagram?
(C.O.NO.2)[Comprehension]

7. Illustrate the features of wide body and narrow body aircraft with suitable examples
(C.O.NO.2)[Comprehension]

Part C [Problem Solving Questions]

Answer the Question. The Question carries fifteen marks. (1Qx15M=15M)

8. Analysis the following:
- a) Expand IATA and ICAO.
 - b) Briefly describe the functions ICAO with an emphasis on the reformations brought by ANNEX 2, ANNEX 7.
 - c) Reflect on Freedom of air changed the inter continent flying and illustrate First and Second Freedom.
 - d) Describe role of IATA and its services. (C.O.NO.1)[Application]



SCHOOL OF MANAGEMENT

Semester: 1

Course Code: AVM 101

Course Name: Genesis and Overview of Aviation

Date: 30-09-19

Time: 9.30 am to 10.30am

Max Marks: 30

Weightage: 15%

Extract of question distribution [outcome wise & level wise]

Q.NO	C.O.NO	Unit/Module Number/Unit /Module Title	Memory recall type [Marks allotted] Bloom's Levels			Thought provoking type [Marks allotted] Bloom's Levels			Problem Solving type [Marks allotted]			Total Marks
			K			C			A			
1	CO 1	Unit 1/ Introduction		K								1
2	CO 1	Unit 1/ Introduction		K								1
3	CO 2	Unit 2/ Understanding an Aircraft		K								1
4	CO 1	Unit 1/ Introduction		K								1
5	CO 1	Unit 1/ Introduction		K								1
6	CO 2	Unit 2/ Understanding an Aircraft					C					5
7	CO 1	Unit 1/					C					5

		Introduction									
8.	CO 2	Unit 2/ Understanding an Aircraft							A		15
	Total Marks			5			10		15		30

K = Knowledge Level C = Comprehension Level, A = Application Level

Note: While setting all types of questions the general guideline is that about 60%

Of the questions must be such that even a below average students must be able to attempt, About 20% of the questions must be such that only above average students must be able to attempt and finally 20% of the questions must be such that only the bright students must be able to attempt.

[I hereby with certify that all the questions are set as per the above guidelines . Mr. Unni Krishnan]

Reviewer's Comments,

BAKV
 B
 25/9/19



SCHOOL OF MANAGEMENT

TEST-1 SOLUTION

Semester: 1

Course Code: AVM 101

Course Name: Genesis and Overview of Aviation

Date: 30-09-19

Time: 9:30 am to 10:30 am

Max Marks: 30

Weightage: 15%

Part A

(5 x 1 = 5 Marks)

Q No	Solution	Scheme of Marking	Max. Time required for each Question
1	D. 1903	1 mark	1 minute
2	B. DGCA	1 mark	1 minute
3	D. Go Air	1 mark	1 minute
4	B. IXE	1 mark	1 minute
5	C. 6E	1 mark	1 minute

Part B (2 x 5 = 10 Marks)

Q No	Solution	Scheme of Marking	Max. Time required for each Question
6	<p>Fuselage: Fuselage is the body of Aircraft</p> <p>a) Its designed in a way to move through air with minimum resistance</p> <p>b) It contains Cockpit, passenger cabin etc on the main deck and the baggage and cargo department</p>	<p>2 marks for the definition</p> <p>a) 1 mark</p> <p>b) 2 marks</p>	5-7 minutes
7	<p>a) Call sign is Registration mark of Aircraft</p> <p>b) DGCA issues call signs</p> <p>c) Examples</p>	<p>a) 2 marks</p> <p>b) 2 marks</p> <p>c) 1 mark</p>	5-7 minutes

Part C

(1 x 15 = 15 Marks)

Q No	Solution	Scheme of Marking	Max. Time required for each Question

8	<p>a) 2 types, Narrow body and Wide body Aircraft</p> <p>b) Differences: Narrow body: Smaller in size, Width of Fuselage is 3 meters, Single aisle, Manual loading of cargo Wide body: Bigger in size, width is 4,72 meters, 2 Aisles, Loading is done by ULD (Containers and Pallet), Using High lifts</p> <p>c) Examples: Narrow body: ATR 500/42, Boeing 737, Airbus 320/319 Wide body: Boeing 747, Airbus 300/310/330 , Boeing 787</p>	<p>a) 2 marks b) 10 marks c) 3 marks</p>	30minutes
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Roll No.

**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF MANAGEMENT

TEST – 2

Sem & AY: Odd Sem 2019-20

Course Code: AVM 101

Course Name: GENESIS AND OVERVIEW OF AVIATION

Program & Sem: BBA Aviation & I

Date: 18.11.19

Time: 1.00 PM to to 2.00 PM

Max Marks: 30

Weightage: 15%

Instructions:

- I. Answer all the questions.

Part A [Memory Recall Questions]

Answer all the Questions. Each Question carries one mark.

(5Qx1M=5M)

1. FAA stands for: (Knowledge level/ C.O No4)
 - a) Federal Aviation Authority
 - b) First Aviation Agreement
 - c) First Aviation Administrator
 - d) Federal Aviation Administration

2. APRON is also known as: (Knowledge level/ C.O No 5)
 - a) Tarmac
 - b) Runway
 - c) Taxi Way
 - d) BAY

- 3 Hand Baggage is also called as: (Knowledge level/ C.O No 5)
 - a) Registered Baggage
 - b) Checked In Baggage
 - c) Cabin Baggage
 - d) Un-accompanied Baggage

4. National Carrier of India is: (Knowledge level/ C.O No 3)
 - a) Air Asia
 - b) Star Air
 - c) Indigo Airlines
 - d) Air India

5. Breakeven point of a flight is: (Knowledge level/ C.O No 5)
- a) Win –win situation
 - b) No Loss and More Gain
 - c) No Loss and No Gain
 - d) No Gain and More Loss

Part B [Thought Provoking Questions]

Answer both the Questions. Each Question carries five marks. (2Qx5M=10M)

6. What are the Precautions taken to reduce the wild life presence at the airport?
(Comprehensive level/ C.O No 4)
7. Explain the check-In procedure of a domestic flight.
(Comprehensive level/ C.O No 5)

Part C [Problem Solving Questions]

Answer the Question. The Question carry fifteen marks. (1Qx15M=15M)

(Analytical level/ C.O No5)

8. What is the information required to make a flight booking. Name the different computerized reservation system adopted by the Airline and also explain a few items not allowed in the hand baggage.



SCHOOL OF MANAGEMENT

Semester: 1
 Course Code: AVM 101
 Course Name: Genesis and Overview of Aviation

Date: 18-11-19
 Time: 9.30 am to 10.30am
 Max Marks: 30
 Weightage: 15%

Extract of question distribution [outcome wise & level wise]

Q.NO	C.O.NO	Unit/Module Number/Unit /Module Title	Memory recall type			Thought provoking type			Problem Solving type			Total Marks
			[Marks allotted]	Bloom's Levels		[Marks allotted]	Bloom's Levels		[Marks allotted]			
				K			C			A		
1	CO 4	Unit 4/ Aviation and Environment		K							1	
2	CO 5	Unit 5 / Airport Layout		K							1	
3	CO 5	Unit 5 / Airport Layout		K							1	
4	CO 3	Unit 3/ Airlines and Airports		K							1	
5	CO 5	Unit 5 / Airport Layout		K							1	
6	CO 4	Unit 4/ Aviation and Environment					C				5	
7	CO 5	Unit 5 / Airport Layout					C				5	

8.	CO 5	Unit 5 / Airport Layout								A		15
	Total Marks			5			10			15		30

K = Knowledge Level C = Comprehension Level, A = Application Level

Note: While setting all types of questions the general guideline is that about 60%

Of the questions must be such that even a below average students must be able to attempt, About 20% of the questions must be such that only above average students must be able to attempt and finally 20% of the questions must be such that only the bright students must be able to attempt.



SCHOOL OF MANAGEMENT

TEST-2 SOLUTION

Semester: 1

Course Code: AVM 101

Course Name: Genesis and Overview of Aviation

Date: 18-11-19

Time: 9:30 am to 10:30 am

Max Marks: 30

Weightage: 15%

Part A

(5 x 1 = 5 Marks)

Q No	Solution	Scheme of Marking	Max. Time required for each Question
1	D. Federal aviation Administration	1 mark	1 minute
2	A. Tarmac	1 mark	1 minute
3	C. Cabin Baggage	1 mark	1 minute
4	D. Air India	1 mark	1 minute
5	C. No Loss and No Gain	1 mark	1 minute

Part B (2 x 5 = 10 Marks)

Q No	Solution	Scheme of Marking	Max. Time required for each Question
6	Elimination of food sources, open water, vegetation, waste disposal sites, open dumps, proper fencing and tall protecting compound walls etc.	1 mark for each precaution	5-7 minutes
7	Enter the airport with the flight ticket for a flight which is leaving within the next four hours and photo identity card. Check-In baggage if any, to pass through X-Ray. Proceed to airline counter and present the ticket, handover the baggage, collect boarding card, proceed for security check, hand baggage to pass through X-Ray, enter the departure lounge and board the aircraft when the flight is announced or the departure display appears.	5 marks for proper explanation	5-7 minutes

Part C**(1 x 15 = 15 Marks)**

Q No	Solution	Scheme of Marking	Max. Time required for each Question
8	a) Name, destination, date, time or flight number, class of travel, contact number, dietary preference and payment details. b) GABRIEL, AMADEUS, GALILEO, ABACUS AND SABRE c) Any sharp metal, knife, blade, toy gun, dry cell etc.	a) 5 marks b) 5 marks c) 5 marks	30minutes



Roll No																			
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**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF MANAGEMENT

END TERM FINAL EXAMINATION

Semester: Odd Semester: 2019 - 20

Course Code: AVM 101

Course Name: GENESIS AND OVERVIEW OF AVIATION

Program & Sem: BBA (Aviation Mgmt) & I

Date: 07 January 2020

Time: 1:00 PM to 4:00 PM

Max Marks: 100

Weightage: 50%

Instructions:

- (i) Read the all questions carefully and answer accordingly.
(ii) All the questions must be answered in each part.

Part A [Memory Recall Questions]

Answer all the Questions. Each Question carries 2 marks.

(10Qx2M=20M)

- 1.
- a) Explain the difference between Aviation and Civil Aviation. (C.O.No.1) [Knowledge]
- b) Give the words for the following phonetic alphabets... L, R, S, M (C.O.No.1) [Knowledge]
- c) What is the difference between Turbo prop Engine & Jet Engine (C.O.No.2) [Knowledge]
- d) What is Landing Gear? (C.O.No.2) [Knowledge]
- e) Name few International Carriers Operating through India (C.O.No.3) [Knowledge]
- f) What is Domestic International Sector, Give Examples (C.O.No.3) [Knowledge]
- g) What are the two general sources of noise from aircraft? (C.O.No.4) [Knowledge]
- h) Name a few pollutants that are found in aircraft emissions (C.O.No.4) [Knowledge]
- i) Describe the term: Pre Flight Loading. (C.O.No.5) [Knowledge]
- j) Explain what a container is and what a pallet is. (C.O.No.5) [Knowledge]

Part B [Thought Provoking Questions]

Answer all the Questions. Each Question carries 8 marks.

(8Qx5M=40M)

- 2 Explain: TERMINAL, TARMAC, BAY, TAXIWAY & RUNWAY (C.O.No.1) [Comprehension]
- 3 What are the structural limitations of an aircraft? (C.O.No.2) [Comprehension]
- 4 List any 5 components of an aircraft with functions (C.O.No.2) [Comprehension]

- 5 Name the airports with the following IATA/ICAO Codes: BOM,BLR,DEL,HYD,MAA,CCU,GOI,COK,CNN,PNQ (C.O.No.3) [Comprehension]
- 6 Explain the various contributing factors of Environment Impact by Aviation (C.O.No.4) [Comprehension]
- 7 What are the facilities available in an International Airport? (C.O.No.5) [Comprehension]
- 8 What is a Baggage make up Area (C.O.No.5) [Comprehension]
- 9 What is piece concept of Baggage and mention the countries it is applicable (C.O.No.5) [Comprehension]

Part C [Problem Solving Questions]

Answer both the Questions. Each Question carries 20 marks.

(2Qx20M=40M)

- 10 a) Expand IATA and ICAO. (C.O.No.1) [Comprehension]
- b) Briefly describe the functions ICAO with an emphasis on the reformations brought by ANNEX 2, ANNEX 7.
- c) Reflect on Freedom of air changed the inter continent flying and illustrate First and Second Freedom.
- d) Describe role of IATA and its services.
- 11 Explain the complete procedure to be followed by an International passenger from booking a ticket till boarding the flight. (C.O.No.5) [Comprehension]



SCHOOL OF COMMERCE

END TERM FINAL EXAMINATION

Extract of question distribution [outcome wise & level wise]

K = Knowledge Level C = Comprehension Level, A = Application Level

Q.NO.	C.O. NO (% of CO)	Unit/Module Number/ Unit/Module Title	Memory recall type [Marks allotted] Bloom's Levels	Thought provoking type [Marks allotted] Bloom's Levels	Problem Solving type [Marks allotted]	Total Marks
			K	C	A	
PART-A Q.NO 1	C.O 1 C.O 2 C.O 3 C.O 4 C.O 5	All 5 Modules	20			20
PART-B 2	C.O 1	Unit-1 Introduction		5		5
PART-B 3	C.O 2	Unit-2 Understanding an Aircraft		5		5
PART-B 4	C.O 2	Unit-2 Understanding an Aircraft		5		5
PART-B 5	C.O 3	Unit-3 Airlines and Airport		5		5
PART-B 6	C.O 4	Unit-4 Aviation and Environment		5		5
PART-B 7	C.O 5	Unit-5 Airport Layout		5		5
PART-B 8	C.O 5	Unit-5 Airport Layout		5		5
PART-B 9	C.O 5	Unit-5 Airport Layout		5		5
PART-C 10	C.O 1	Unit-1 Introduction		20		20
PART-C 11	C.O 5	Unit-5 Airport Layot		20		20
	Total Marks		20	80		100

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must be able to attempt and finally 20% of the questions must be such that only the bright students must be able to attempt.

I hereby certify that all the questions are set as per the above guidelines.

Faculty Signature:

Reviewer Comment:



SCHOOL OF COMMERCE

SOLUTION

Semester: Odd Sem, 2019-20

Course Code: AVM 101

Course Name: Genesis and Overview of Aviation

Program & Sem: BBA Aviation Management 1st Sem

Date: 07/01/2020

Time: 1:00pm to 04:00pm

Max Marks: 100

Weightage: 50%

Part A

(10Q x 2M = 20Marks)

Q No	Solution	Scheme of Marking	Max. Time required fo. each Question
a	There are three types of transportation. Surface, marine and air. All transportation by air is known as Aviation which includes Military Aviation in India as IAF. Transportation of common people and goods by air is Civil Aviation.	2 M	1-2 min
b	L = Lima, R = Romeo, S = Sierra, M = Mike	2 M	1-2 min
c	Turbo Prop Engine generates air by propellers, Jet engines is with concealed blades and wild rotating fast it sucks the air from the front and moves forward.	2 M	1-2 min
d	It is under carriage with the tires used for rolling on ground as well as landing the aircraft	2 M	1-2 min

e	Lufthansa Airlines, Oman Air, Singapore Airlines and Sri Lankan Airlines.	2 M	1-2 min
f	It is the flight operated to a neighboring country by a domestic airline example Sri Lanka, Nepal	2 M	1-2 min
g	Engines, Airframe	2 M	1-2 min
h	Particulate Matter, Nitrogen Oxides, Unburned Hydrocarbons, Ozone, Carbon Monoxide	2 M	1-2 min
i	In a wide body aircraft, the containers and pallets are used and this can be kept ready in advance.	2 M	1-2 min
j	Container is a metal box with a cut in one side and carries 1250kg of baggage or cargo. Pallet is a metal sheet which can carry 3500kg of baggage or cargo	2 M	1-2 min

Part B

(8Q x 5M = 40 Marks)

Q No	Solution	Scheme of Marking	Max. Time required for each Question
2	Terminal is the building where passengers and their baggage's are handled and departure formalities are completed. Tarmac is the concreted area in front of the terminal building where aircrafts are handled. Bay is the place where aircraft are parked. Taxi way connects tarmac to runway Runway is the place where aircrafts land and take off.	1 mark for each description	8-10min
3	Empty weight, maximum take-off weight, maximum landing weight and maximum zero fuel weight	1 mark for each limitation	8-10 min
4	Fuselage-it is the body of the aircraft designed to move through air fast Wings- lifting force for the aircraft Power plant- provides thrust to move forward Tail assembly- enables the aircraft to move and take turns Under carriage can land and travel on ground	1 mark for each description	5-7 min
5	Chhatrapati Shivaji International Airport Kempegowda International Airport Indira Gandhi International Airport Rajiv Gandhi International Airport Meenambakkam International Airport	0.5 marks for each airport name	5-7 minutes

	Netaji Subash Chandrabose International Airport Goa International Airport Cochin International Airport Kannur International Airport Pune Airport		
6	Aircraft noise, air quality, climate change, water quality and wild life	1 mark for each with explanation	5-7 min
7	Passenger lounge, VIP lounge, restaurants, coffee shop, other shops, exchange counter, insurance counter and pre-paid taxi arrangements	1 mark for each	3-4 min
8	All baggage's from different check-in counters converges and it is sorted out and loaded in the respective trolleys or containers.	5 marks for proper explanation	5-7 min
9	Passengers travelling from India to USA or Canada and vice-versa can carry two pieces of baggage 46kg with outer dimensions not exceeding 270cm or 106inches.	5 marks for proper explanation with correct dimensions	5-7 min

Part C

(2Q x 20M =40Marks)

Q No	Solution	Scheme of Marking	Max. Time required for each Question
10	a) International Civil Aviation Organization, International Air Transport Association b) Chicago Convention, Bilateral Agreements, Aircraft Nationality and Registration mark c) Fly across the territory of other country, To land in other country for non traffic purposes d) Planning international timetable, CRS, Single formula for air tickets and way bill, Training of Travel and Freight agents, Regulate legal question, 3 letter codes or geographical division	5 marks for each	15-20 min
11	Book the flight giving sector, date, class, flight number, dietary preference, contact number etc. possess the passport and visa with validity, reach airport in time, check- in, pass through immigration, customs and security check.	2 marks for each step with explanation	15-20 min