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**PRESIDENCY  
UNIVERSITY  
BENGALURU**

**School of Management  
Mid-Term Examinations - Nov 2024**

**Semester:** 1<sup>st</sup> SEMESTER

**Course Code:** BAV3015

**Course Name:** GENESIS AND OVERVIEW OF AVIATION

**Program:** BBA AVI

**Date:** 06-11-2024

**Time:** 9:30am - 11:30am

**Max Marks:** 50

**Weightage:** 25%

**Instructions:**

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

**Part A**

**Answer ALL the Questions. Each question carries 2marks.**

**5QX2M=10M**

- |   |  |         |   |     |
|---|--|---------|---|-----|
| 1 | State the expansion of - a. DGCA ,b. FAA.                                | 2 Marks | K | CO1 |
| 2 | Name any two countries which comes under TC 1.                           | 2 Marks | K | CO2 |
| 3 | Define the term "TC"   | 2 Marks | K | CO3 |
| 4 | Mention the 4 forces of flight.  | 2 Marks | K | CO2 |
| 5 | List of two components of aircraft which helps to navigate the aircraft. | 2 Marks | K | CO3 |

**Part B**

**Answer ALL Questions. Each question carries 10 marks.**

**4QX10M=40M**

- |   |  |         |               |     |
|---|--|---------|---------------|-----|
|   | 6a. Explain the role of navigation lights on an aircraft and how they help in preventing mid-air collisions. | 5 Marks | Comprehension | CO2 |
| 6 | 6b. Describe landing lights  | 3 Marks | Knowledge     | CO2 |
|   | 6c. List the purpose of wing lights  | 2 Marks | Knowledge     | CO2 |

**OR**

- |   |   |         |               |     |
|---|---|---------|---------------|-----|
|   | 7a. Review the effectiveness of the phonetic alphabet in preventing misunderstandings in aviation communications. | 5 Marks | Comprehension | CO4 |
| 7 | 7b. Describe 'ICAO Phonetic ' with 1 example  | 3 Marks | Knowledge     | CO4 |
|   | 7c. Name any two civil aviation organization followed by INDIA.   | 2 Marks | Knowledge     | CO4 |

8	8a.	Explain the differences between a commercial jet and a turboprop aircraft. With a example each of airline which uses this type of aircraft.	6 Marks	Comprehension	CO2
	8b.	Name the primary categories of aircraft types	2 Marks	Knowledge	CO2
	8c.	Name the type of aircraft mostly used for regional airline.	2 Marks	Knowledge	CO2
<b>OR</b>					
9	9a.	Explain the role of an aircraft manufacturer in the certification process of a new aircraft model.	6 Marks	Comprehension	CO2
	9b.	Name two major manufacturers of commercial aircraft.	2 Marks	Knowledge	CO2
	9c.	Name the country where the manufacturing plant for airbus is located	2 Marks	Knowledge	CO2
10	10a.	How would you apply the recommendations from an international traffic conference to improve local air traffic operations?	6 Marks	Application	CO4
	10b.	List the purpose of air traffic conference	2 Marks	Knowledge	CO4
	10c.	Explain how air traffic control conferences contribute to improving aviation safety	2 Marks	Compensation	CO2
<b>OR</b>					
11	11a.	Illustrate effectiveness of using standardized aviation abbreviations in flight operations. How do these abbreviations contribute to safety and efficiency?	6 Marks	Application	CO1
	11b.	State the expanded for of "ETA"	2 Marks	Knowledge	CO1
	11c.	Summarize how air traffic tower reduces the accidents and incidents in air and on ground at airport.	2 Marks	comprehension	Co4
12	12a.	Analyze the roles of the aircraft's rudder and ailerons in maintaining stable flight	6 Marks	Analyzes	Co2
	12b.	Name the component which controls the roll of the aircraft.	2 Marks	Knowledge	CO2
	12c.	Explain how the elevator controls an aircraft's pitch	2 Marks	Comprehension	CO2
<b>OR</b>					
13	13a.	Analyze the impact of global economic downturns on the aviation industry.	6 Marks	Analyzes	CO3
	13b.	List the primary purpose of the International Air Transport Association (IATA)?	2 Marks	Knowledge	CO1
	13c.	Explain the role of the International Civil Aviation Organization (ICAO) in global aviation	2 Marks	Comprehension	CO1