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 **PRESIDENCY UNIVERSITY**

  **Bengaluru**

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| **End - Term Examinations – JANUARY 2025** |
| **Date:**10 – 01- 2025 **Time:** 01:00 pm – 04:00 pm |

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| **School:** SOM**-** (UG) | **Program:** BBA Aviation Management  |
| **Course Code :**BAV3015 | **Course Name :**GENSISI AND OVERVIEW TO AVIAITON |
| **Semester**: I | **Max Marks**:100 | **Weightage**:50% |

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| **CO - Levels** | **CO1** | **CO2** | **CO3** | **CO4** | **CO5** |
| **Marks** | **26** | **26** | **28** | **20** | **NA** |

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Do not write anything on the question paper other than roll number.*

**Part A**

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| **Answer ALL the Questions. Each question carries 2 marks. (10Q x 2M = 20M)** | **Bloom's Level**  | **CO** |

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| **1** | List the primary purpose of the International Air Transport Association. | **2 Marks** | **Remember** | **CO1** |
| **2** | Recollect the expansion of –DGCA & FAA. | **2 Marks** | **Remember** | **CO1** |
| **3** | Name two major manufacturers of commercial aircraft. | **2 Marks** | **Remember** | **CO2** |
| **4** | Name the component which controls the roll of the aircraft. | **2 Marks** | **Remember** | **CO2** |
| **5** | List two components of aircraft which helps to navigate the aircraft. | **2 Marks** | **Remember** | **CO3** |
| **6** | Name two types of weather conditions that can lead to flight delays or cancellations. | **2 Marks** | **Remember** | **CO3** |
| **7** | Identify two common aircraft design modifications that help reduce noise. | **2 Marks** | **Remember** | **CO3** |
| **8** | Define the term “Aeronautical premises” | **2 Marks** | **Remember** | **CO4** |
| **9** | List any two types of airport. | **2 Marks** | **Remember** | **CO4** |
| **10** | Define Helipads. | **2 Marks** | **Remember** | **CO4** |

**Part B**

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| **Answer ALL the Questions. Each question carries 7 marks. (5Q x 7M = 35M)** | **Bloom's Level**  | **CO** |
| **11** |  | Summarize the role of the International Civil Aviation Organization (ICAO) in shaping global aviation standards.  | **7 Marks** | **Understand** | **CO1** |
|  | **Or** |
|  **12** |  | Explain how did the introduction of low-cost carriers change the global aviation industry. | **7 Marks** | **Understand** | **CO1** |

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| **13** |  | Summarize the challenges and implications of time zone differences for global business operations. | **7 Marks** | **Understand** | **CO2** |
|  | **Or** |
|  **14** |  | Illustrate how do cockpit lighting systems contribute to pilot visibility and comfort during nighttime flights. | **7 Marks** | **Understand** | **CO2** |

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| **15** |  | Explain how engine technology can contribute to reducing aircraft noise. | **7 Marks** | **Understand** | **CO3** |
|  | **Or** |
|  **16** |  | Summarize the causes of flight delays. | **7 Marks** | **Understand** | **CO3** |

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|  **17** |  | Outline the various types of emergency services found at an airport. | **7 Marks** | **Understand** | **CO4** |
|  | **Or** |
|  **18** |  | Compare the role of ground operations at a regional airport with that of an international hub.  | **7 Marks** | **Understand** | **CO4** |

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|  **19** |  | Explain the relationship between the flight operations division and air traffic control. How do they coordinate during flight operations. | **7 Marks** | **Understand** | **CO4** |
|  | **Or** |
|  **20** |  | Summarize the function of navigational aids (NAVAIDs) in aeronautical operations.  | **7 Marks** | **Understand** | **CO4** |

**Part C**

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| **Answer Any THREE Questions. Each question carries 15 marks. (3Q x 15M = 45M)** | **Bloom's Level**  | **CO** |

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| **21** | Select key tactics that full-service carriers should implement to stay competitive in international markets, given the global expansion of budget airlines. | **15 Marks** | **Apply** | **CO1** |
| **22** | Apply your knowledge of aircraft lighting to recommend solutions for enhancing visibility of an aircraft in low-visibility conditions. | **15 Marks** | **Apply** | **CO2** |
| **23** | Identify potential of ecofriendly flying a revolutionize in aviation industry in terms of reducing emissions. What are the challenges. | **15 Marks** | **Apply** | **CO3** |
| **24** | Apply your understanding of the roles of flight operations, air traffic control, and maintenance divisions to explain how their collaboration contributes to flight safety and efficiency. | **15 Marks** | **Apply** | **CO4** |