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**Presidency University**

**Bengaluru**

**SCHOOL OF COMMERCE**

**Summer Term End Term Examinations, August 2024**

**Winter Semester**: 2023 - 24

**Course Code**: BAV3011

**Course Name**: Air traffic control

**Program & Sem**: BBA aviation

**Date**: 05/ August / 2024

**Time**: 1.00PM to 4.00PM

**Max Marks**: 100

**Weightage**: 50%

**Instructions:**

1. *Read the all questions carefully and answer accordingly.*
2. *Question paper consists of three parts.*
3. *Scientific and Non Programable Calculators are Permitted.*
4. *Do not write any information on the question paper other than roll number.*

**Part A**

**Answer any FIVE Questions. (5 Q x 2 M = 10 M)**

1. Define Clearance. Give an example. (C.O.No.3) [Knowledge]

2. Describe the instructions used by controllers to guide pilots to their destination or specific intermediate points along their route, with an example. (C.O.No.3) [Knowledge]

3. Describe NEXGEN and its Aim. (C.O.No.4) [Knowledge]

4. List the key features of NEXGEN. (C.O.No.4) [Knowledge]

5. Describe the use of Central Flight Data Processing System. (C.O.No.1) [Knowledge]

6. Outline the advantage of precision weather information. (C.O.No.1) [Knowledge]

7. List the four generic elements of an ATC system (C.O.No.2) [Knowledge]

**Part B**

**Answer any FIVE Questions. (5 Q x 10 M = 50 M)**

8. Explain the advantages of Air Traffic Management (ATM). (C.O.No.2) [Comprehension]

9. Summarize the communication procedures used during Clearance & Aircraft Identification with relevant examples. (C.O.No.3) [Comprehension]

10. Summarize the communication procedures used during " Required reports, & Holding Instructions", with examples (C.O.No.3) [Comprehension]

11. Discuss about an Air Traffic Control (ATC) Tower. (C.O.No.3) [Comprehension]

12. Explain in detail about Enroute Control Centres. (C.O.No.3) [Comprehension]

13. Describe briefly about Terminal Airspace Control centre (C.O.No.4) [Comprehension]

14. Discuss the major disadvantages of Instrument Landing System (ILS)

(C.O.No.2) [Comprehension]

**Part C**

**Answer any TWO Questions. (2 Q x 20 M = 40 M)**

15. Describe the components of NEXGEN and Review its future in ATFM, Ground delay Programs, Aircraft Seperation & Negotiated routes. (C.O.No.3) [Application]

16. Explain how the Instrument Landing System or ILS works (C.O.No.4) [Application]

17. Compare how Terminal Airspace Control Centres and Enroute Control Centres functions.

(C.O.No.4) [Application]