



QP – 396

V Semester B.B.A. (Aviation Management) Examination, March/April 2022
(CBCS) (2020 – 21 and Onwards) (F+R)
Paper – 5.4 : AIR TRAFFIC CONTROL

Time : 3 Hours

Max. Marks : 70

Instruction : Answers should be written in **English only**.

SECTION – A

Answer **any five** of the following sub-questions. **Each** sub-question carries **two marks**. (2×5=10)

1. a) Write any two objectives of ATC as stated in ICAO Annexure – II.
- b) Explain briefly the visual flight rules.
- c) What is the purpose and use of signal lamp at ATC tower ?
- d) What do you understand by the term Aerodrome ?
- e) Define 'Flight level'.
- f) What are the different holding position marking on taxiways ?
- g) Define Identification friend or Foe (IFF).

SECTION – B

Answer **any three** of the following questions. **Each** question carries **6 marks**. (6×3=18)

2. What do you understand by local control/Air control ? Explain.
3. Write short notes on approach light system.
4. What is radar ? Explain fundamentals of basic radar.
5. Explain the various runway marking essentials on precision instrument runway.
6. What do you understand by aerodrome reference code ? Explain the meaning of element codes.

P.T.O.



SECTION - C

Answer **any three** questions of the following questions. **Each** question carries **14** marks.

(14×3=42)

7. What is the purpose of separation of Aircraft and explain different types of separations in flight ?
8. What do you understand by Radar ? Explain the primary and secondary surveillance Radar.
9. What factors effect the basic length of runway length and how corrections applied to basic length of runway with limitations ?
10. What are the visual aids for denoting obstacles and explain limitation of obstacle height at airspace around aerodrome and how they are marked ?
11. What do you mean by distress and emergency phase of aircraft ? Explain the procedure.

SECTION - B

Answer any three of the following questions. Each question carries 8 marks. (6×3=18)

1. What do you understand by local control? Explain.
2. Write short notes on approach light system.
3. What is radar? Explain fundamentals of basic radar.
4. Explain the various runway marking essentials on precision instrument runway.
5. What do you understand by aerodrome reference code? Explain the meaning of element codes.