

**Total No. of Questions : 09**

**Subject Code : BSCARM-102-18**

**M.Code : 75633**

**Time : 3 Hrs.**

**Max. Marks : 60**

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**1. Explain the following terms and their significance :**

- (a) Apron
- (b) Taxi track
- (c) Chocks
- (d) Defueling
- (e) Charging trolley
- (f) Duplicate inspection
- (g) Symmetry checks
- (h) Platforms
- (i) Levelling
- (j) Dispersal Area

### SECTION-B

2. Explain the procedure for the maintenance of accumulators, reservoirs and filters.
3. Explain the functions of control tower.
4. Write a short note on 'Rigging of Control Surfaces'.
5. Explain the usage of tension-meters and protractors.
6. Explain the steps followed during the maintenance of wheels, tyres and tubes.

### SECTION-C

7. Write notes on the following :
  - (a) Air-conditioning and heating unit (3)
  - (b) Ground signaling of aircraft during day & night (4)
  - (c) Approach and clear zone layout (3)
8. Explain the safety and fire precautions to be observed during maintenance, refueling/defueling and engine start. (10)
9. Explain the following processes :
  - (a) Airfield lighting system (3)
  - (b) Ground handling of aircraft (3)
  - (c) Aircraft rescue and fire fighting (4)

**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.**