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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc (Hons) Aircraft Maintenance (2018 & Onwards) (Sem.-1)**GROUND HANDLING SAFETY AND SUPPORT SYSTEM****Subject Code : BSCARM-102-18****M.Code : 75633****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTIONS TO CANDIDATES :**

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.

SECTION-A

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

- (a) Rigging
- (b) Trestles
- (c) Chokes
- (d) Tension-meter
- (e) Jacking
- (f) Mooring
- (g) Leveling
- (h) Hoisting
- (i) Towing
- (j) Protractor

SECTION-B

2. Explain the procedure for the maintenance of reservoirs and filters.
3. Explain the process of maintenance of undercarriage brakes.
4. Explain the process of signaling of aircraft in day and night time.
5. List various precautions to be undertaken during the process of fueling and detueling.
6. Write a short note on 'Maintenance of wheels, tyres and tubes'.

SECTION-C

7. What do you mean by rigging of control surfaces? Explain the procedure to carry out angular alignment checks and symmetry checks. (2,8)
8. Explain the following terms and their purpose with respect to airport :
 - (a) Control Tower (2)
 - (b) Dispersal Area (2)
 - (c) Tarmac (2)
 - (d) Apron (2)
 - (e) Taxi Track (2)
9. List various equipments used in the maintenance of an aircraft. Discuss the maintenance and handling of ground equipments used in the maintenance of an aircraft. (2,8)

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.