

- Q.22 What are various types of inspections?
- Q.23 Explain soldering techniques?
- Q.24 Explain the purpose of bleeding?
- Q.25 Describe the procedure for starting piston engines?
- Q.26 Explain working of a shock strut?
- Q.27 What is depreservation?
- Q.28 What is the procedure for short term storage of engine and accessories?
- Q.29 How pressurizing of cabin is done?
- Q.30 What are the basic elements of AC system?
- Q.31 Explain the role of bulkheads?
- Q.32 What are quality circles?
- Q.33 What are the types of maintenance schedules?
- Q.34 What are the engine installation checks?
- Q.35 What are various structural components?

#### Section-D

**Note:** Long answer questions. Attempt any Two question out of three Questions. (2x10=20)

- Q.36 Discuss the various aspects of engine maintenance.
- Q.37 Explain the importance of aircraft manuals, service letters and service manuals.
- Q.38 Explain the types of airframes and different structural components and their use.

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### 6th Sem / AME Sub : Aircraft Maintenance Practices

Time : 3 Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple Choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 The maintenance carried out while an airplane is parked at an airport waiting for the next take off is generally referred to as \_\_\_\_\_.  
 a) Line maintenance  
 b) Major maintenance  
 c) General Maintenance  
 d) Base
- Q.2 What is the full form of LRU?  
 a) Line Replaced Unit  
 b) Line Reposition Unit  
 c) Line Rested Unit  
 d) Line Replaceable Unit
- Q.3 How much time is required for line maintenance?  
 a) 45 minutes                      b) 45 hours  
 c) 450 minutes                      d) 450 hours
- Q.4 What is the full form of SRM?

- a) Structure Repair Manual
  - b) Structure Repairing Manual
  - c) Structural Repair Manual
  - d) Structural Repairing Manual
- Q.5 Preflight inspection is conducted by \_\_\_\_\_.
- a) Copilot                      b) Pilot
  - c) Purser                      d) Ground staff
- Q.6 Which of the following in the official language of aviation?
- a) English                      b) French
  - c) Spanish                      d) Greek
- Q.7 Which of the following communications is not included in FANS?
- a) Air traffic control clearances
  - b) Ground staff communications
  - c) Pilot requests
  - d) Position reporting
- Q.8 Altimeter is base on which instrument?
- a) Pitot Tube
  - b) Pitot Tube and Gyroscope
  - c) Gyroscope
  - d) None of the above
- Q.9 Which of the following is a suitable place to perform infrared heating de-icing?
- a) Apron                      b) Aircraft bay
  - c) Hangar                      d) MRO facility

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- Q.10 which of the following is a low cost pavement de-icing mixture?
- a) Carbon Mixture
  - b) Aluminum mixture
  - c) Urea mixture
  - d) Quartz Mixture

### Section-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is an advisory circular?
- Q.12 What do you mean by history record sheet?
- Q.13 What is tolerance?
- Q.14 what is the method for crack detection?
- Q.15 What is the importance of Antiskid system?
- Q.16 What is pure monocoque structure?
- Q.17 What is ISO 9000?
- Q.18 what is mooring?
- Q.19 What is DGCA?
- Q.20 Name one aviation safety regulation.

### Section-C

**Note:** Short answer type Question. Attempt any Twelve questions out of Fifteen Questions. (12x5=60)

- Q.21 What are various pitot based instruments and their use?

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