

- Q.26 Explain working of a landing gear?
 - Q.27 How the engine preservation is done?
 - Q.28 What is the procedure for short term storage of engine and accessories?
 - Q.29 What are the major components of a hydraulic control system?
 - Q.30 What are the basic elements of AC system?
 - Q.31 How ROC and ROC meter maintained?
 - Q.32 Explain the use quality circles?
 - Q.33 What are the various types of maintenance schedules?
 - Q.34 What are the engine installation checks?
 - Q.35 Explain the importance of 6 sigma?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Discuss the procedures for engine maintenance.

Q.37 Explain the importance of aircraft manuals, log books and advisory circulars

Q.38 Explain the types of airframes and different structural components and day to day maintenance steps.

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6th Sem / Branch : AME

Subject:- Aircraft Maintenance Practices

Time : 3Hrs.

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 takeoff is generally referred to as _____.

 - Line Maintenance
 - Major maintenance
 - General Maintenance
 - Base

Q.2 The continuous inspection program for commercial aircraft in India. is approved by which of the following authorities.

 - DGCA
 - EASA
 - FAA
 - DCGA

Q.3 How many man hours does a D-check require ?

 - 40
 - 400
 - 4000
 - 40000

Q.4 How much time is required for the maintenance ?

 - 45 minutes
 - 45 hours
 - 450 minutes
 - 450 hours

- Q.5 What is the full form of SRM ?
a) Structure Repair Manual
b) Structure Repairing Manual
c) Structural Repair Manual
d) Structural Repairing Manual
- Q.6 Preflight inspection is conducted by _____.
a) Copilot b) Pilot
c) Purser d) Ground staff
- Q.7 Which of the following may cause structural damage to the aircraft?
a) Level 1 b) Level 2
c) Level 4 d) Level 3
- Q.8 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.9 Altimeter is based on which instrument?
a) Pitot Tube
b) Pitot Tube and Gyroscope
c) Gyroscope
d) None of the above
- Q.10 Which of the following is a suitable place to perform infrared heating de-icing ?
a) Apron b) Aircraft bay
c) Hangar d) MRO facility

SECTION-B

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

- Q.11 Name any two maintenance schedules?
- Q.12 What do you mean by history record sheet?
- Q.13 What are different types of resistors used?
- Q.14 What is the method for crack detection?
- Q.15 What is the use of Antiskid system?
- Q.16 What are the parts of a semi monocoque structure?
- Q.17 What does ISO 9000 signify?
- Q.18 How rain is protected?
- Q.19 What is DGCA?
- Q.20 Where the bulkheads are used?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 21. What are pitot based instruments measure?
- Q.22 Explain service bulletin?
- Q.23 What are different soldering techniques?
- Q.24 Where the bleed air is used?
- Q.25 Describe the procedure for starting piston engines?