

- Q.25 Explain control rigging.
 Q.26 Describe how the long term storage for accessories is done?
 Q.27 What do you mean by bleeding and its purpose?
 Q.28 How rate of climb indicator works?
 Q.29 How the flying controls are maintained?
 Q.30 How is rectification of engine maintenance done?
 Q.31 What is the procedure for checking pressure leak in Altimeter?
 Q.32 What are the various types of quality indicators?
 Q.33 What is advantage of Honeycomb structure?
 Q.34 What are the various navigation techniques?
 Q.35 Mention the major air safety regulations.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 What are various engine maintenance processes? Explain the procedure for airframe system.
 Q.37 Write maintenance practices for Altimeter, Gyroscope and vertical speed indicator.
 Q.38 Describe main DGCA regulations? What is six sigma?

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5th Sem. / AME

Subject:- Aircraft Maintenance Practices

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Thorough inspection of the airframe is done in?
 a) A Check b) B Check
 c) C Check d) D Check
 The high frequency band is also known as _____
 a) Pentameter band b) Decameter band
 c) Quadmeter band d) Hexameter band
- Q.2 What is the wavelength range of HF?
 a) 100km to 10km b) 1000m to 100m
 c) 1000km to 100km d) 100m to 10m
- Q.3 What material is used for aircraft fuselage?
 a) Aluminum alloys b) Titanium alloys
 c) Silver alloys d) Metal alloys
- Q.4 What is FMECA?
 a) Failure modes, effects and criticality analysis
 b) Flight mechanics Engineers in civil Aviation
 c) Foreign Material Entry critical analysis
 d) None of the above

(20)

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- Q.5 What is the full form of ACARS?
- a) Airplane communications addressing and reporting system
 - b) Aviation communications addressing and reporting system
 - c) Aircraft communications addressing and reporting system
 - d) Airspace communications addressing and reporting system
- Q.6 The use of English in aviation industry is regulated by which of the following?
- a) DGCA b) FAA
 - c) ICAO d) UNO
- Q.7 The maintenance carried out which 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.8 Which of the following may cause structural damage to the aircraft?
- a) Level 1 b) Level 2
 - c) Level 4 d) Level 3
- 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 What are different maintenance types?
- Q.12 What do you mean by mandatory schedule?
- Q.13 What is a service letter?
- Q.14 Name the different colors of cables.
- Q.15 How is engine installation checked?
- Q.16 What is a shock landing?
- Q.17 How the fire is detected?
- Q.18 Name the landing gear with maximum number of wheels.
- Q.19 What is AS9100 used for?
- Q.20 Name two regulatory authorities.

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Describe the various aircraft manuals.
- Q.22 What is the procedure for reconditioning?
- Q.23 What is the method for crack detection done in an engine?
- Q.24 What are the AC and DC instruments used?