

- 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

- Q.5 What is the full form of ACARS?
- Airplane communications addressing and reporting system
  - Aviation communications addressing and reporting system
  - Aircraft communications addressing and reporting system
  - Airspace communications addressing and reporting system
- Q.6 The use of English in aviation industry is regulated by which of the following?
- DGCA
  - FAA
  - ICAO
  - 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 \_\_\_\_\_
- Line maintenance
  - Major maintenance
  - General maintenance
  - Base
- Q.8 Which of the following may cause structural damage to the aircraft?
- Level 1
  - Level 2
  - Level 4
  - Level 3
- Q.9 Altimeter is based on which instrument?
- Pitot Tube
  - Pitot tube and Gyroscope
  - Gyroscope
  - None of the above

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- Q.10 Which of the following is a suitable place to perform infrared heating de-icing?
- Apron
  - Aircraft bay
  - Hangar
  - 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?

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