

- Q.29 Mention and explain aviation safety regulations  
 Q.30 What are the limitations of carbon composition resistors and varistors?  
 Q.31 How are ground running checks done? Why is it important?  
 Q.32 Write a brief note on Air conditioning and Pressurization system?  
 Q.33 What are the basic elements of AC system?  
 Q.34 how is fault tree analysis done?  
 Q.35 What do you mean by airworthiness?

#### **SECTION-D**

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 What are the different types of maintenance schedules? Describe in detail with example.  
 Q.37 Explain in procedure for long term and short term storage of engine and accessories.  
 Q.38 What are the various types of flying controls? Describe up powered, power assisted and powered controls.

No. of Printed Pages : 4

Roll No. ....

147752

**5th 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 protocol for ACARS was designed by \_\_\_\_\_  
 a) Boeing                      b) ARINC  
 c) FAA                        d) ICAO
- Q.2 By correcting the indicated airspeed for nonstandard temperature and pressure, we obtain \_\_\_\_\_ airspeed  
 a) Actual                      b) Virtual  
 c) True                        d) Relative
- Q.3 Which of the following is the most important criterion in selecting an appropriate fuel for an aircraft?  
 a) Cost                        b) Density  
 c) Specific energy            d) Efficiency
- Q.4 Which of the following is not true about an airframe made with carbon-fibre composite?  
 a) Decreases drag  
 b) Decreases thrust  
 c) Higher cabin pressurization  
 d) Higher wing aspect ratio

(60)

(4)

147752

(1)

147752

- Q.5 Most retraction system are \_\_\_\_\_ operated  
 a) Thermally                  b) Hydraulically  
 c) Mechanically              d) Electronically
- Q.6 The use of English in aviation industry is required by which of the following?  
 a) DGCA                      b) FAA  
 c) ICAO                      d) UNO
- Q.7 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.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) Pilot tube  
 b) Pilot tube and Gyroscope  
 c) Gyroscope  
 d) None of the above
- Q.10 Which of the following is a suitable place to perform inferred 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 is the role of DGCA in aviation?  
 Q.12 What is nose wheel?  
 Q.13 What do you mean by bonding continuity?  
 Q.14 What is the role of alteration in maintenance schedule?  
 Q.15 What is history record sheet?  
 Q.16 What do you mean by engine preservation?  
 Q.17 Name one DC measuring instrument?  
 Q.18 What are some power operated controls?  
 Q.19 What is crimping?  
 Q.20 What is ISO 9000?

## SECTION-C

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

- Q.21 Explain the detail about tubular airframe construction and its advantages.  
 Q.22 What are the different power operated controls?  
 Q.23 What are some of the AC and DC measuring instruments?  
 Q.24 What is Zero Defect Analogy?  
 Q.25 What are licensing regulations?  
 Q.26 How the insulation tests is done?  
 Q.27 What is bleed air?  
 Q.28 How are performance checks for an engine?