

- Q.27 How is modification of service bulletins done?
 - Q.28 How is the storage of various aeronautical products done?
 - Q.29 What do you mean by Airworthiness? Why is it required?
 - Q.30 Write a note on Refueling of A/C and how it's done.
 - Q.31 Mention an incident attributable to human error.
 - Q.32 Write steps on how to manage human errors.
 - Q.33 How is work logging done?
 - Q.34 What are the different types of error in maintenance checks?
 - Q.35 Which agency provides Certificate of Airworthiness? What is the process to get it?

SECTION-D

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

- Q.36 Write the step-by-step procedure on the issue of type approval.

Q.37 Write notes on

 - Visual Inspection
 - Work Logging
 - Calibration of A/C Fuel Tanks

Q.38 Write a note on the Human Performance and Limitations. How can it be worked upon?

No. of Printed Pages : 4
Roll No.

187752

AME
Subject:- Aircraft Rules, Regulations and CAR-II

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Which of the following is the most important criterion in selecting an appropriate fuel to power an aircraft?

a) Cost b) Density
c) Specific energy d) Efficiency

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 bodies regulates civil aviation in India?

a) DGCA b) EASA
c) FAA d) CASA

Q.4 What is the full form of FADEC?

a) Flight Authority Direct Engine Control
b) Flight Authority Digital Engine Control
c) Full Authority Digital Engine Control
d) Full Authority Direct Engine Control

- Q.5 Who is responsible to review the airworthiness certificate, maintenance records, and other required paperwork to verify that the aircraft is airworthy?
- a) Copilot
 - b) Aircraft Maintenance Engineer
 - c) Purser
 - d) Pilot
- Q.6 In large aircraft, fuel tanks are also present in the _____
- a) Tail
 - b) Fuselage
 - c) Nose
 - d) Rudder
- Q.7 In power by wire systems, the hydraulic circuit is replaced by an _____ circuit.
- a) Electrical power
 - b) Thermal power
 - c) Electronic power
 - d) Mechanical power
- Q.8 Which is the most expensive maintenance check of all?
- a) A-Check
 - b) D-Check
 - c) C-Check
 - d) B-Check
- Q.9 One of the disadvantages of radiography is that it is _____
- a) destructive
 - b) faster
 - c) temporary record
 - d) time-consuming
- Q.10 When radiographs are produced to detect defects, they show up as _____
- a) tubes
 - b) dark spots
 - c) invisible spots
 - d) light spots

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 How to build effective communication in Human Resources?
- Q.12 How is work recording done?
- Q.13 Why are controlling human errors important?
- Q.14 Which agency takes care of approval of aircraft permits in India?
- Q.15 Give an example of potential hazard while flying
- Q.16 Where are trim sheets used?
- Q.17 Can you give an example of human error?
- Q.18 What do you mean by Defect Recording?
- Q.19 What do you mean by Air worthiness?
- Q.20 What are the implications of error on functioning of aircraft?

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Write a brief note on effects of Vibration on Aircraft Performance.
- Q.22 How is the issue of type approval done? Explain in detail.
- Q.23 What are Quarantine stores? When are they used?
- Q.24 What are the cultural issues that can affect Human Performance?
- Q.25 How are registration markings done?
- Q.26 How are markings done ? Explain in detail.