

- Q.25 What is the difference between technical log book and general log book?
  - Q.26 What are different types of advisory circulars?
  - Q.27 What is the requirement procedure for issuance of special flight permits?
  - Q.28 How is certification for aging aircraft made?
  - Q.29 What are the mandatory documents?
  - Q.30 What are the major Civil Airworthiness requirements?
  - Q.31 How is duplicate inspection of control done?
  - Q.32 Give an example of AME notice issued by DGCA.
  - Q.33 What is the mandate of DGCA?
  - Q.34 What is the requirement for checks in an Aircraft?
  - Q.35 Describe flight manual.

## **SECTION-D**

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

- Q.36 What are the various privileges of AME? What are the various types of certificates issued and the endorsements?

Q.37 What are the various instruments used in aircrafts? Explain the functioning of Air Speed Indicator with diagram?

Q.38 Explain in detail the process of certification of gliders, microlight aircrafts and hot air balloons.

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**4th Sem / Aircraft Maintenance**  
**Subject:- Aircraft Rules, Regulations and CAR-I/II**

Time : 3 Hrs. M.M. : 100

## **SECTION-A**

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

- Q.1 What is the full form of VFR?

  - a) Visual fight rules      b) Visual flying rules
  - c) Virtual flight rules    d) Virtual flying rules

Q.2 Preflight inspection is conducted by \_\_\_\_\_

  - a) Copilot                  b) Pilot
  - c) Purser                  d) Ground staff

Q.3 A register or airlines operating an AOC is maintained by the \_\_\_\_\_

  - a) ICAO                  b) CAA
  - c) FAA                  d) None of the above

Q.4 Apart 145 approval covers?

  - a) Base maintenance
  - b) Only line maintenance
  - c) All type of maintenance
  - d) Major part of the organization

Q.5 Who may amend or endorse a part 66 license?

  - a) A license holder

- b) A part 147 organization  
c) A part 145 organization  
d) Any of the above
- Q.6 Where do the heavier checks (C-check and D-check) take place?  
a) Maintenance, repair and overhaul (MRO) company sites  
b) Airport bay  
c) Manufacturing sites  
d) Hangar
- Q.7 A radio signal losses strength as range from the transmitter increases; this is called  
a) Propagation            b) Attenuation  
c) Refraction            d) Ducting
- Q.8 In aviation, the reflection on ionosphere layers phenomenon is used in the following frequencies:  
a) HF                    b) UHF  
c) VLF                    d) VHF
- Q.9 The fuel system boost pumps are used to:  
a) Feed the lines with fuel for directing it to the engine at a positive pressure  
b) Feed the fuel control units, which inject the pressurized fuel into the engine  
c) Avoid the bubbles accumulation  
d) Avoid the bubbles accumulation and feed the lines with fuel for directing it to the engine at a positive pressure
- Q.10 In the cockpit of a transport airplane, at least one manual fire-extinguisher must be conveniently located containing:  
a) Halon                    b) Powder  
c) Special fluids            d) Water

### SECTION-B

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

- Q.11 What is the full form of IAR?  
Q.12 What do you mean by Airworthiness?  
Q.13 What is CAR 21?  
Q.14 Mention one important task of AME.  
Q.15 What is CoR?  
Q.16 What is the role of DGCA?  
Q.17 What is recorded in log books?  
Q.18 Where duplicate inspection is done?  
Q.19 What is special permit?  
Q.20 What do you mean by aging aircraft?

### SECTION-C

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

- Q.21 How export certificate of airworthiness is issued?  
Q.22 What is the privilege of AME?  
Q.23 What type of AME licenses are issued?  
Q.24 How glider is certified?