

- Q.26 What are 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 is the requirement for issuance of special flight permits?
 - Q.30 How is duplicate inspection of control done?
 - Q.31 Write a short note on Micro Lite Aircraft.
 - Q.32 What is the procedure of making entries in log books?
 - Q.33 What is the requirement for checks in an Aircraft?
 - Q.34 What are the Civil Airworthiness requirements?
 - Q.35 What is the general equipment used for maintenance of aircraft?

SECTION-D

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

- Q.36 What are the various categories of AME licenses and renewals? What are the various types of certificates issued by DGCA regarding Airworthiness?

Q.37 Explain the requirement and maintenance practices in detail.

Q.38 Explain the detail the operation of balloons, microlight aircrafts and their maintenance requirement.

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Roll No.

4th Sem. Branch : Aircraft Maintenance

Sub. Aircraft Rules, Regulations & CAR-I/ Aircraft Rules, Regulations & CAR-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 The continuous inspection program for commercial aircrafts in India, is approved by which of the following authorities?

 - a) DGCA
 - b) EASA
 - c) FAA
 - d) DCGA

Q.2 Is the most exhaustive maintenance check of all?

 - a) A-Check
 - b) D-Check
 - c) C-Check
 - d) B-Check

Q.3 Preflight inspection is conducted by _____.

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

Q.4 An organization shall appoint an accountable manager who shall

 - a) Demonstrate relevant knowledge & background of related aircraft maintenance & working knowledge of CAR 145.
 - b) Ensure that all the recovery resources are available to accomplish maintenance
 - c) Establish & promote the safety & quality policy
 - d) AS in (2) & (3) & demonstrate basic understanding of 145

- Q.5 NDT comes under class of 145 organizations
 a) Specialized services b) Normal services
 c) Both d) None
- Q.6 In the “VASIS”, how many light units are in each wing bar?
 a) 4 b) 3
 c) 5 d) 2
- Q.7 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) Hanger
- Q.8 A radio signal losses strength as range from the transmitter increases: this is called:
 a) Propagation b) Attenuation
 c) Refraction d) Ducting
- Q.9 In aviation, the reflection on ionosphere layers phenomenon is used in the following frequencies:
 a) HF b) UHF
 c) VLF d) VHF
- 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.
 $(10 \times 1 = 10)$

- Q.11 What is CAR 21?
- Q.12 What is the main task of AME?
- Q.13 What is a flight manual?
- Q.14 What is a special flight permit?
- Q.15 Who issues certificate of airworthiness?
- Q.16 What is the role of DGCA?
- Q.17 What is the need for log books?
- Q.18 What is the important certificate for gliders?
- Q.19 What is technical log book?
- Q.20 Mention a step taken to maintain Aircraft Safety.

SECTION-C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions.
 $(12 \times 5 = 60)$

- Q.21 How is certification for aging aircraft done?
- Q.22 How are special flight permits issued?
- Q.23 What is the privileges of AME?
- Q.24 What is the use of advisory circulars?
- Q.25 What is the difference between technical log book and general log book?