

Section-C

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

- Q.21 Which Aircraft Rules are important?
- Q.22 What are AME notices issued by DGCA?
- Q.23 How is duplicate inspection of control done?
- Q.24 Write a short note on C.A.R. 145.
- Q.25 What is the procedure for endorsement of AME License?
- Q.26 How are aircraft rules important for the safety of the aircraft?
- Q.27 Describe the importance of flight manual?
- Q.28 How "Aging Aircraft" is handled?
- Q.29 How entries in logbooks are made?
- Q.30 Describe the role of equipment used in Aircraft Maintenance.
- Q.31 What are the various types of Advisory Circulars?
- Q.32 What is the procedure for endorsement of AME Licence?
- Q.33 How are aircraft rules used for the safety of the aircraft?
- Q.34 What is a general log work?
- Q.35 How special flight permits are used?

Section-D

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

- Q.36 What are the various types of certificates issued by DGCA for different purposes?
- Q.37 What is a log book? Where are they used? Describe the detail of a flight manual.
- Q.38 Explain the responsibilities, privileges and licenses in respect to AME.

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Roll No.

**Sem. 4 Branch : Aircraft maintenance
Subject : Aircraft Rules, Regulations & CAR-I/
Aircraft Rules, Regulations and CAR-II**

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Why is an airworthiness certificate important for an aircraft?
 - a) It signifies the owner's wealth
 - b) It confirms the aircraft's ability to fly long distances
 - c) It ensures that the aircraft meets safety standards set by authorities
 - d) It determines the maximum speed for the aircraft
- Q.2 A pilot notices a small crack in the aircraft's windshield during pre-flight checks. What action should the pilot take?
 - a) Ignore it and proceed with the flight
 - b) Report it to maintenance and await further instructions
 - c) Use tape to cover the crack temporarily
 - d) Attempt to repair the crack with available tools
- Q.3 What is the primary purpose of Aeronautical Information Circulars (AICs) relating to airworthiness?
 - a) To provide information on airport facilities
 - b) To announce changes in flight crew licensing
 - c) To disseminate important information regarding airworthiness standards and procedures
 - d) To offer discounts on aviation fuel

- Q.4 If an AME notice issued by DGCA highlights a critical safety issue with a particular aircraft component, what action should maintenance personnel take?
- Ignore the notice and proceed with regular maintenance procedures
 - Notify the aircraft owner and wait for further instructions
 - Ground the affected aircraft and implement the recommended corrective measures
 - Conduct a test flight to assess the severity of the issue
- Q.5 What is the primary purpose of a Flight Manual?
- To provide information about passenger amenities
 - To outline the history of the aircraft
 - To provide operating limitations and procedures for safe flight
 - To list flight crew members' names
- Q.6 In what circumstances might an aircraft require a special flight permit?
- To fly at supersonic speeds
 - To transport hazardous materials
 - To relocate the aircraft for maintenance or repair
 - To carry out aerobatic maneuvers during an airshow
- Q.7 What is the purpose of a Flight Manual?
- To certify the airworthiness of the aircraft
 - To provide guidance on aircraft maintenance procedures
 - To outline operating limitations and procedures for safe flight
 - To list the aircraft's registration details
- Q.8 Why might special flight permits be issued?
- To allow the aircraft to fly without maintenance
 - To authorize flights with known mechanical issues for the purpose of repair
- Q.9 Which method is typically used for making entries in aircraft log books?
- Handwritten entries using pen or pencil
 - Typewritten entries
 - Digital entries using specialized software
 - Verbal entries recorded by flight crew
- Q.10 Why is it important for log book entries to be accurate and detailed?
- To impress aviation authorities during inspections
 - To track the aircraft's financial performance
 - To ensure compliance with regulatory requirements and maintain safety standards
 - To maintain secrecy regarding aircraft operations

Section-B

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

- What do you mean by Air worthiness?
- What is the most important IAR?
- What is an advisory circular?
- Define "Aging Aircraft".
- What is the role of flight manual?
- What are different AME licenses.
- What is the role of DCCA?
- Explain the functioning of hot air balloon?
- What is the certification of micro light aircraft?
- What are various log books?