

SECTION-C

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

- Q.21 Write a short note on C.A.R 21
- Q.22 Why so elaborate Aircraft rules are made?
- Q.23 What is maintenance Quality Control?
- Q.24 What is the need of duplicate inspection of control?
- Q.25 How microlight aircraft certification is done?
- Q.26 How do you identify an aging aircraft?
- Q.27 How are aircraft rules used for the safety of the aircraft?
- Q.28 What is aeronautical information circular?
- Q.29 What is a special flight permit.
- Q.30 Name the different licenses issued by DGCA.
- Q.31 What are the various types of Advisory Circulars?
- Q.32 What is the procedure for acquiring AME License?
- Q.33 What do you mean by Endorsement?
- Q.34 What are different log books?
- Q.35 What is the need for a log book?

SECTION-D

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

- Q.36 Describe the various types of licenses and certificates issued by DGCA and their conditions for issue.
- Q.37 What are the requirements and tasks in establishment of quality, storage and distribution.
- Q.38 Explain the functioning of Air Speed Indicator with diagram? Explain glider and its flying

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4th Sem / Aircraft Maintenance

**Subject:- Aircrafts Rules, Regulations and CAR-I /
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 Aircraft which is willing to conduct an IFR flight within the recommended airspace, but no electing the advisory service:
 - a) Require to file a flight plan
 - b) Should submit a flight plan but the changes made need not to be notified
 - c) Should submit a flight plan but the changes are to be notified
 - d) None of the above
- Q.2 In the "VASIS", how many light units are in each wing bar?
 - a) 4
 - b) 3
 - c) 5
 - d) 2
- Q.3 Radar identification of a departing aircraft can be achieved if a radar blip is observed within a certain distance from the end of the runway. Identification has to be achieved within.
 - a) 1NM
 - b) 5NM

- c) 3NM d) 2NM
- Q.4 When the holders of aircraft transport pilot license airplane and helicopter have passed their 40th birthday the medical examination shall be reduced from:
- 24 months to 12 months
 - 12 months to 3 months
 - None of the answers are correct
 - 12 months to 6 months
- Q.5 The movement area of an airfield, the adjacent lands buildings or the parts of them with controlled access is called:
- Terminal b) Maneuvering area
 - Aeronautical part d) Security program
- Q.6 In aviation, the reflection on ionosphere layers phenomenon is used in the following frequencies:
- HF b) UHF
 - VLF d) VHF
- Q.7 A so called "Visual Approach" can be performed:
- During IFR flights, if there is permanent site on the movement area and the underlying ground
 - During IFR flights, if the cloud base is 1000 ft more than the appropriate DA or MDA for that procedure
 - As in above, but in addition there should be a visibility of 5.5 km or more
 - During IFR and VFR flights in VMC;

- Q.8 In the cockpit of a transport airplane, at least one manual fire-extinguisher must be conveniently located containing:
- Halon b) Powder
 - Special fluids d) Water
- Q.9 Skip distance is the:
- Thickness of the ionosphere
 - Range from the transmitter to the first sky wave
 - Wavelength distance of a certain frequency
 - Highest critical frequency distance
- Q.10 A radio signal losses strength as range from the transmitter increases; this is called;
- Propagation b) attenuation
 - Refraction d) Ducting

SECTION-B

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

- Q.11 What is CAR 145?
- Q.12 What is the role of AME?
- Q.13 What is the important license for glider?
- Q.14 Define "Aging Aircraft".
- Q.15 What is endorsement ?
- Q.16 Mention one important flying rule.
- Q.17 What is the full form of DGCA and FAA?
- Q.18 What is a log book?
- Q.19 What is the maintenance worksheet?
- Q.20 What is the role of a flight manual?