

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

No. of Printed Pages : 4

187746/147746

Roll No.

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:
 a) 24 months to 12 months
 b) 12 months to 3 months
 c) None of the answers are correct
 d) 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:
 a) Terminal b) Maneuvering area
 c) Aeronautical part d) Security program
- Q.6 In aviation, the reflection on ionosphere layers phenomenon is used in the following frequencies:
 a) HF b) UHF
 c) VLF d) VHF
- Q.7 A so called "Visual Approach" can be performed:
 a) During IFR flights, if there is permanent site on the movement area and the underlying ground
 b) During IFR flights, if the cloud base is 1000 ft more than the appropriate DA or MDA for that procedure
 c) As in above, but in addition there should be a visibility of 5.5 km or more
 d) 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:
 a) Halon b) Powder
 c) Special fluids d) Water
- Q.9 Skip distance is the:
 a) Thickness of the ionosphere
 b) Range from the transmitter to the first sky wave
 c) Wavelength distance of a certain frequency
 d) Highest critical frequency distance
- Q.10 A radio signal losses strength as range from the transmitter increases; this is called;
 a) Propagation b) attenuation
 c) 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?