Q.26 What are advisory circulars?
Q.27 What is the requirement procedure for issuance of special flight permits?
Q.28 What are civil the airworthiness requirements?
Q.29 What is 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 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 type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 What are the various categories of AME approvals? What are the various types of certificates issued?
Q.37 Explain the functioning of Air Speed Indicator with diagram ? What is the principle behind its design?
Q.38 Explain in detail the process of aircraft maintenance including all parts.

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

Time : 3Hrs. M.M. : 100

SECTION-A

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

Q.1 Skip distance is this
a) Thickness of the ionosphere
b) Range from the transmitter to the first sky wave
c) Wavelength the distance of certain frequency
d) Highest critical frequency distance

Q.2 Preflight inspection is conducted by_____
a) Copilot b) Pilot
c) Purser d) Ground staff

Q.3 How much time is required for line maintenance?
a) 45 minutes b) 450 minutes
c) 45 hours d) 450 hours

Q.4 In the "VASIS", how many light units are in each wing bar?
a) 4 b) 3
c) 5 d) 2

Q.5 The instrument Landing System (ILS) uses the following wavelengths:
a) Hectometric b) Centimetric

c) Dissymmertic d) Metric

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 the 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 FAA?

Q.12 What is the difference between Pitot Tube and Pitot Static Tube?

Q.13 Mention one important equipment used in Aircraft Maintenance

Q.14 Define "Aging Aircraft"?

Q.15 How does MicroLite fly?

Q.16 What is the role of DGCA?

Q.17 What is the need for log books?

Q.18 What is the need for certificates?

Q.19 What is C.A.R 21?

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. (12x5=60)

Q.21 How are special flight permits issued?

Q.22 What is the responsibility of AME?

Q.23 How is certification for aging aircraft made?

Q.24 What is the full form of FAA?

Q.25 What is the difference between technical log book and general log book?