

- Q.23 How does renewal of AME license done?
 Q.24 What are the AME notices issued by DCCA?
 Q.25 What is the procedure for endorsement of AME License?
 Q.26 How are aircraft rules used for the safety of the aircraft?
 Q.27 Describe the functioning of any two Aircraft Instruments.
 Q.28 What are the privileges of AME licenses?
 Q.29 How is AME notice taken out by DCCA?
 Q.30 How does Hot Air Balloons work?
 Q.31 Explain in detail the process of aircraft maintenance.
 Q.32 What are the Civil Airworthiness requirements?
 Q.33 What is the requirement for checks in an Aircraft?
 Q.34 How is duplicate inspection of control done?
 Q.35 Write a short note on Micro Lite 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? How is an extension filed for AME license?
 Q.37 Explain the functioning of VSI with diagram? What is the principle behind its design?
 Q.38 What are the various types of certificates issued?

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3rd Sem
Subject:- Aircrafts Rules, Regulations and CAR-I

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 Each State of ICAO Annex 17 shall ensure the establishment of a security program
 - a) At each airport
 - b) Only for administrative staff of airport
 - c) For every airline operating in the State
 - d) That is common for all airports within State
- 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 answer are correct
- d) 12 months to 6 months

Q.5 How much time is required for line maintenance?

- a) 45 minutes b) 450 minutes
- c) 45 hours d) 450 hours

Q.6 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 fuel for directing it to the engine at a positive pressure.

Q.7 The maintenance carried out while an airplane is parked at an airport waiting for the next takeoff if generally referred to as _____

- a) Line maintenance b) Major maintenance
- c) General Maintenance d) Base Maintenance

Q.8 The Instrument Landing System (ILS) uses the following wavelengths:

- a) Hectometric b) Centimetric
- c) Dissymmetric d) Metric

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 do you mean by Air worthiness?

Q.12 What is a Pitot Static Tube?

Q.13 What is the difference between journal log book and technical log book?

Q.14 Which authority provides AME license?

Q.15 Mention one important equipment used in Aircraft Maintenance.

Q.16 What is the full form of DCCA?

Q.17 What are Advisory Circulars?

Q.18 What is the role of flight manual?

Q.19 What is the principle behind micro light aircraft ?

Q.20 Explain the functioning of hot air balloon?

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?