

- Q.22 What is the difference between power operated and power assisted control?
- Q.23 What are some of the AC and DC measuring instruments?
- Q.24 How the fire is detected?
- Q.25 What are licensing regulations?
- Q.26 What do you mean by bench marking?
- Q.27 What is bleeding?
- Q.28 How are performance checks done on engine?
- Q.29 Mention and explain aviation safety regulations
- Q.30 How the instruments are maintained?
- Q.31 How is inspection after shock landing done?
- Q.32 How are ground running checks done?
- Q.33 Write a brief note on Air conditioning and Pressurization system?
- Q.34 What are the basic elements of a DC system?
- Q.35 How is fault tree analysis done?

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Describe the different types of maintenance schedules for the airplanes?
- Q.37 Explain in detail ISP 9000, AS9100, TQM and CMM.
- Q.38 What is the role of engine preservation and engine depreservation? How is it done?

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SECTION-A

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

- Q.1 What is the full form of SRM?
- Structure Repair Manual
 - Structure Repairing Manual
 - Structural Repair Manual
 - Structural Repairing Manual
- Q.2 D-Check is also known as _____
- Heavy Maintenance Visit
 - Light Maintenance Visit
 - Regular Maintenance Visit
 - Unscheduled Maintenance Visit
- Q.3 Automated aircraft inspection systems have the potential to make aircraft maintenance safer and more reliable
- TRUE
 - FALSE
 - Can be true or false
 - Can not say
- Q.4 How many checks are there in the base maintenance cycle?

- a) 2 b) 16
c) 10 d) 6
- Q.5 Who is responsible to review the airworthiness certificate, maintenance records, and other required paperwork to verify that the aircraft is airworthy?
- a) Copilot
b) Aircraft Maintenance Engineer
c) Purser
d) Pilot
- Q.6 Category B-check is performed at a _____
- a) Hangar b) Apron
c) MRO site d) Parking bay
- Q.7 The continuous inspection program for commercial aircraft in India, is approved by which of the following authorities?
- a) DGCA b) EASA
c) FAA d) DCGA
- Q.8 Most retraction systems are _____ operated.
- a) Thermally b) Hydraulically
c) Mechanically d) Electronically
- Q.9 The use of English in aviation industry is regulated by which of the following?
- a) DGCA b) FAA
c) ICAO d) UNO

- Q.10 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

SECTION-B

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

- Q.11 What are the types of inspections?
Q.12 Name one advisory circular.
Q.13 What are the various electrical cable types?
Q.14 How the insulation of cable is tested?
Q.15 How is control rigging done?
Q.16 What do you mean by engine preservation?
Q.17 Name one AC measuring instrument.
Q.18 What are primary flight controls?
Q.19 Give an example of pure monocoque structure?
Q.20 What is the function of antiskid system?

SECTION-C

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

- Q.21 Explain in detail about tubular airframe construction and its advantages.