PART – A

1. Briefly explain about the types of maintenance?
2. Briefly explain about the basic steps involved in overhauling?
3. (i) How are aircraft piston engine classified?
   (ii) What is meant by trouble shooting?
4. Write short about air-conditioning and pressurization systems in aircraft?
5. Briefly explain about Six Sigma?

(5*4=20)

PART – B

MODULE 01

6.(a) Explain the types of aircraft inspection and its procedures? (12)
   (b) Explain about the aircraft manuals (8)

(Or)

7. (a) Explain about aircraft repair and modifications (10)
   (b) Write short notes on (i) Service letter and service bulletin (5)
       (ii) Advisory Circular (5)

MODULE 02

8.(a) Explain about aircraft engine installation checks. (10)
   (b) Write notes on bleeding and performance checks in engines (10)

(Or)

9.(a) Explain about aircraft on condition maintenance (12)
   (b) Explain the term engine preservation and depreservation (8)

MODULE 03

10.(a) Explain about Ice and rain protection system and maintenance (12)
   (b) Explain about the fire protection system and maintenance (8)

(Or)

11.(a) Explain about control surface rigging (10)
   (b) Explain the inspection of aircraft braking and antiskid systems (10)
MODULE 04

12 (a) Explain about Fault Tree Analysis (10)
    (b) Explain about quality control circle (10)

(Or)

13. (a) Explain briefly about aviation safety regulation (20)