



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)



19AEO302 AIRCRAFT SYSTEMS AND ENGINES QUESTION BANK

2Mark Questions

1. List out and give short notes on piston engines.
2. List out at least 8 major parts in Piston engines.
3. Differentiate 2 stroke 4 stroke engines
4. Difference between Petrol engine and Diesel engine
5. What are the Major things cause engine failure
6. What are the limitations and conditions of Ramjet Engine
7. Differentiate Turboprop and Turbofan engines
8. Write a short note on scramjet engine
9. List the types of jet engines.
10. Write down the working of Piston engine.

13 &14 Marks Question

1. Explain the working, construction, merits and demerits, application of a Autopilot system –
Rem
2. Analyse fly by wire system and Autopilot system and its Merits Demerits Application with
neat sketch - Cre
3. Describe in detail about the working principle & operation of piston engine along with a
neat sketch
4. Elaborate Inline vertical Engine & V type engine along with a neat sketch and applications–
App.
5. Explain the working, construction, advantages and disadvantages, application of a ramjet
and scramjet engines
6. Analyse the types of piston engine and explain all of it's working principle & operation
along with a neat sketch
7. Describe in detail about Flight management Systems with neat sketch.



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8. Explain briefly about the fundamental principles and operation of Piston engines with strokes
9. Discuss in detail about the difference between ramjet and scramjet along with a neat sketch.
10. Write a case study on Flight Management system with construction flow chart
11. Describe types of piston engine and explain all of it's working principle & operation along with a neat sketch
12. Analyse turbojet and turbofan along with its advantages and disadvantages with sketch