



# **SNS COLLEGE OF ENGINEERING**

Kurumbapalayam (Po), Coimbatore – 641 107

**AN AUTONOMOUS INSTITUTION**



Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

## **QUESTION BANK – I**

### **First Semester**

#### **19ME102 & BASIC CIVIL AND MECHANICAL ENGINEERING**

1. What is the use of economizer in thermal power plant?
2. List the importance of surge tank in hydro power plant.
3. Compare positive and non-positive displacement pumps.
4. What is PV cell in solar panel?
5. Mention any two materials that can be used as moderator in a Nuclear reactor.
6. Distinguish between I.C Engine and E.C. Engine.
7. List the applications of positive displacement pumps.
8. List the main components of an I.C. engine.
9. What do you understand by Scavenging?
10. List the applications of IC engines
  11. Explain working principle of steam power plant with neat sketch.
  12. Explain working principle of hydro-electric plant with neat sketch.
  13. With the neat sketch explain the construction and working of centrifugal pump.
  14. Describe the construction and working of single acting reciprocating piston pump.
  15. Infer the working of four stroke petrol engine with the illustrations.
  16. Illustrate and explain the working of two stroke petrol engine.
  17. Explain working principle of gas turbine power plant with neat sketch.
  18. Explain working principle of solar power plant with neat sketch.
  19. Differentiate S.I engine and C.I engine.
  20. Explain working principle of two stroke engine.
  21. Explain the working of centrifugal pump with the help of a neat sketch.
  22. Describe the principle parts and functions of a four stroke diesel engine with neat sketch.

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