

Question Bank for Basics of Civil and Mechanical Engineering

1. List out the different types of Allowances in Pattern making.
2. Draw multi piece pattern with neat sketch.
3. List the types of welding defects
4. What is top dead center and bottom dead center in IC engines?
5. What do you understand by Scavenging?
6. Write the requirements of good pattern.
7. List out any four-arc welding equipment.
8. How does 3D Printing Work?
9. Classify the I.C engine.
10. List some advantages of internal combustion engines?
11. Classify the types of Patterns making allowances with a neat sketch.
12. Explain Working principle of Tungsten Inert gas Welding Process with a neat sketch?
13. Compare four stroke and two stroke engines. Compare petrol (SI) engines and diesel (CI) engines
14. Draw the main components of IC engine with neat sketch
15. Explain working principle of Four stroke Petrol engine and What are the merits and demerits of Four stroke Petrol engine?
16. Explain Sand Casting Process with a neat sketch.?
17. Explain Sand Casting Process with a neat sketch.
18. Explain Working principle of Gas Welding Process with a neat sketch
19. Explain working principle of Four stroke Diesel engine and What are the merits and demerits of Four stroke Diesel engine.
20. Define the terms: Bore, Stroke, TDC, BDC, Clearance volume, Swept volume and compression ratio of an IC engine?
21. Compare petrol (SI) engines and diesel (CI) engines.
22. Explain Working principle of Metal Inert gas Welding Process with a neat sketch
23. Explain working principle of Two stroke Petrol engine and What are the merits and demerits of Two stroke Petrol engine.