



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 – II

First Semester

19ME102 & BASIC CIVIL AND MECHANICAL ENGINEERING

Part -A

1. Define Refrigeration.
2. Distinguish between Primary refrigerant and Secondary refrigerant.
3. Identify the practical applications of Air Conditioning.
4. List out the different types of Allowances in Pattern making.
5. What is a Sand Casting?
6. Define Compression Ratio.
7. What is top dead center and bottom dead center?
8. What is the function of evaporator used in refrigerator.
9. List the types of welding defects.
10. Define core used in moulding process.

Part B

1. Explain the working principle of Vapor Compression Refrigeration System?
2. Classify the types of Patterns making allowances with a neat sketch
3. Sketch and explain the working principle of Split type Air Conditioner.
4. Discuss the principle and working of a Gas metal arc welding process.
5. Explain the working of Cupola furnace with a neat sketch?
6. Explain the working principle of Window type Air Conditioner with a neat sketch?
7. Explain the working principle of domestic refrigerator system
8. Explain briefly different types of patterns.
9. Explain brazing and soldering process.
10. Explain working principle of MIG Welding.
11. Describe the construction and working principle of drilling machine.
12. Describe the construction and working principle of lathe machine
