



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)
COIMBATORE-641 035, TAMIL NADU



DEPARTMENT OF MECHANICAL ENGINEERING QUESTION BANK

Academic Year : **2024-2025 (Odd)** Semester : **III**

Year & Branch : **II MECH B** Course : **23MET203 & Engineering Materials & Metallurgy**

Faculty i/c : **Dr. G. Yuvaraj**

UNIT-I -MECHANICAL PROPERTIES AND DEFORMATION MECHANISMS

PART-B

1. What are slip and twinning? What are their characteristics?
2. Discuss characteristics of ductile fracture and brittle fracture.
3. Explain the testing procedure for determining the following properties.
4. Explain the testing procedure of Vickers hardness test
5. Explain the testing procedure of Rockwell hardness test
6. Compare charpy and izod impact test.
7. Draw a typical creep curve and brief on the mechanism
8. Draw S-N curve for ferrous and non-ferrous metals and explain how endurance strength can be determined.