



Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Assignment- 01

Semester/Session: I/ 2021-22

Branch: EC

Subject: BASIC MECHANICAL ENGINEERING

Subject Code : 1FY3-07

Maximum Marks: 10

Due Date: 08.01.2022

Q.1 Explain the heat treatment process and its various stages with diagrams.

Q.2 Name all the gear trains. Explain any two types of gear train with neat sketch.

Q.3 Explain any five mechanical properties of material.

Q.4 Write the names of various types of patterns. Explain any five types of pattern allowances with neat sketch.

Q.5 Derive the formula for length of cross belt drive. (Show all the symbols and notations properly)