

**B.E. MECHANICAL ENGINEERING**  
**FIRST YEAR FIRST SEMESTER - 2023**  
**HUMANITIES AND SOCIOLOGY**

Time: 3 HOURS

Full Marks-100

**Answer all the Questions from Section A and Section B**

**Section A**

Long questions (15 x 6 =90)

1. Discuss how Science and Technology Studies (STS) is a Social Activity. (CO1)
2. Explain with the instance of Nuclearization how Science and Technology served as an instrument of domination for the State in Post-independent India. (CO2)
3. Elaborate the concept of Industrial Revolution and highlight its defining characteristics. (CO3)
4. Discuss how Industrial Revolution gave birth to modern science and technology. (CO4)
5. Discuss how women's contribution to Technology was hidden from history? (CO5)
6. Discuss the key characteristics of Daniel Bell's concept of Post-industrial Society. (CO6)

**Section B**

Short questions: (5 X 2= 10)

1. Write a short on Lewis Mumford's conception of Polytechnics. (CO1)
2. Briefly discuss the measures for promoting Gender Inclusivity in STEM. (CO5)