

B.E. MECHANICAL ENGINEERING

FIRST YEAR

FIRST SEMESTER

SUPPLEMENTARY EXAM 2024

HUMANITIES AND SOCIOLOGY

Time: Three hours

Full Marks: 100

**Answer all the questions from both Section A and Section B**

**Section A**

1. Define science. What are the different approaches to science? Explain briefly. 15 (CO1)
2. How did science develop in post-Independence India? 15 (CO2)
3. Discuss two major technological and scientific innovations during industrial revolution. Explain their social implications. 15 (CO3)
4. Discuss in details how Britain emerged as the center of Industrial Revolution. 15 (CO4)
5. How do feminism offer a critique on women's participation in science? 15 (CO5)
6. Discuss the role of information in Post Industrial society. 15 (CO6)

**Section B**

**Short questions** (5X2= 10)

7. Differentiate between monotechnic and polytechnic. 5 (CO1)
8. Write a note on the relationship between technology and gendered division of labour. 5 (CO5)