**BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI**

**HYDERABAD CAMPUS**

**Course No. BITS F 399**

**Course Name- Humanistic Theory of Science and Technology**

**Mid Semester (Closed Book) Max. Marks: 30**

**Time: 90 min. Weighting : 30%**

**Answer all parts of a question together and in sequence.**

**Separate each point for the answers of Q. 2 and 3 with new paragraph or number.**

1. Answer the following. (Word limit 60 for each) [2x5
2. In refusal to read Immanuel Velikovsky’s World in Collision, which Mertonian norms Harlow Shapely violated and why?
3. In Kuhn’s view, what is theory dependence of observation?
4. What is Sociological Finitism?
5. Explain attributional model of discovery?
6. Explain boundary work using the example of ‘science’?
7. Answer the following
8. Explain the idea of trading zone with examples. [3
9. What was Bacon’s ambition while formulating scientific method? [2
10. Name three important works of Galileo. How did he make use of experiment as part of his scientific method? [5
11. How is Actor Network Theory Super symmetric? Identify and illustrate various criticisms raised for the Actor Network Theory. [2+8