

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2024

B.Tech-I Semester (CSE/IT/ECE/CE)

COURSE CODE(CREDITS): 23B1WHS632

MAX. MARKS: 15

COURSE NAME: History and Philosophy of Science and Technology

COURSE INSTRUCTORS: Dr. Ranjith Kallyani

MAX. TIME: 1 Hour

Note: (a) Attempt all three clusters.

(b) Answer any one question from each cluster.

(c) Marks are indicated against each question in square brackets.

1. Write down four broader themes in which ancient Greek philosophers engaged with technology.

Or

Explain four *Aiton* of Aristotle with an example

(CO2) [5 marks]

2. How does Mario Bunge differentiate technology from science? Explain.

Or

“Technology is neutral with respect to values.” Substantiate this statement in the context of instrumental perspective on technology.

(CO2) [5 marks]

3. How is humanities philosophy of technology different from engineering philosophy of technology? Out of the two, which was the dominant approach and why?

Or

Both creativity and rationality are significant in engineering design: substantiate this statement connecting with “the context of justification” and “the context of discovery” in science.

(CO2) [5 marks]