

UNIVERSITY OF HYDERABAD

School of Social Sciences
Centre for Knowledge Culture and Innovation Studies (CKCIS)
ENTRANCE EXAMINATION - 2012
Ph.D. Programme in Science Technology and Society Studies

TIME: 2 HOURS**MAX. MARKS: 75**

This question paper has three sections. Read the instructions before answering the questions.

Section I**Marks: 30**

Answer any TWO of the following questions (2 x 15 marks). Limit your answer to 250 words.

1. Discuss in what ways the Government of India's space programme has promoted Indian economy and education system?
2. We have been producing a large number of engineering graduates. But only 20 per cent of them are employable. Identify the reasons for this situation.
3. We have a large pool of human resources in science and technology. But the quality of the output is not commensurate with the large size of the pool. How do you account for this phenomenon?
4. What does, in your view, constitute comprehensive and effective science education at secondary and higher secondary levels?

Section II**Marks: 20**

Write an essay of 200 words on any TWO of the following topics (2 x 10 marks)

1. Renewable sources of energy.
2. Information and communication technologies.
3. The relation between science and technology in contemporary times.
4. Technology and democracy.

Section III

- a) What is your understanding of the interrelation of science, technology and society? **Marks: 5**

- b) On the basis of such an understanding formulate a research problem to carry out your doctoral research in the area of science, technology and society studies. Delineate its theoretical, methodological and operational aspects of the research undertaking. **Marks: 20**
