



**SEM 2 – 6 (RC 07 – 08)**

**F.E. (Semester – II) (Revised Course 2007 – 08) Examination,  
November/December 2016**

**ENVIRONMENTAL AND SOCIAL SCIENCE**

Duration : 3 Hours

Max. Marks : 100

**Note :** 1) Answer total **4 full** questions selecting at least **one** question from **each** Module.

2) **Each** question carry total of **25** marks.

3) Use **separate** answer booklets for **each** Section.

**SECTION – I  
(Environmental Engineering)**

**Module – I**

1. a) Define the term environment. What is the scope of environmental education in engineering ? 6
- b) Explain the causes of deforestation. 10
- c) What are the effects caused by overgrazing and agriculture crop production ? 9
2. a) Give an account of water crisis and conflicts over water in the different parts of the world. 7
- b) What is the role of an individual in conservation of energy and soil resources ? 10
- c) Describe the various ecological pyramids. 8

**Module – II**

3. a) What is water pollution ? Discuss the sources and effects of water pollution. 10
- b) Describe the sources, effects and control measures of solid wastes management. 15
4. Write short note on the following : 25
  - i) Acid rain.
  - ii) Ozone layer depletion.
  - iii) Enumerate the functions of State Pollution Control Board in air and water pollution prevention and control.

P.T.O.





SECTION – II  
(Social Science)

Module – III

5. a) Define 'Motivation'. What are the benefits that would come to an individual if he is motivated in his organisation ? 7
- b) Mention and elaborate any four features of the humanistic theory of personality. Elaborate on any one of the humanistic theorist's portrayal of personality. 10
- c) Write short notes on **any two** of the following : (4+4)
- i) Personality and Job Performance.
  - ii) Fighting Stressors.
  - iii) Freudian Id and Ego.
6. a) How would you as an engineer discharge responsibility towards your profession. What, according to you could be the social responsibilities of an engineer ? 8
- b) Write an elaborate note on mobile phone manners, business meeting etiquettes and work etiquettes that need to be followed in an organisation. 10
- c) Write a detailed note on Man Empowerment Vis-a-Vis Women Empowerment. 7

Module – IV

7. a) Religion is a barrier to unity. Argue for or against the given topic. 8
- b) Plato said "None should travel abroad until they are at least forty years of age". How would you locate this statement with reference to the concept of culture ? 10
- c) Why has the benefits of globalisation not reached the masses ? 7
8. a) The entire course on social science you have studied is like a prayer aimed at the development of One's Own Self. Comment on the truth of the statement with reference to the course you have studied. 10
- b) Does education foster and promote creativity ? Give reasons for your answer. 8
- c) Define culture. State how enculturation is different from acculturation. 7