



SEM 2 – 6 (RC 07-08)

F.E. (Semester – II) (Revised in 2007 – 08) Examination, Nov./Dec. 2015 ENVIRONMENTAL AND SOCIAL SCIENCE

Duration : 3 Hours

Total Marks : 100

- Instructions :** i) Answer total **four** questions and **each** question of **25** marks.
ii) Atleast **one** question is **compulsory** from **each** Module.
iii) Use **separate** answer books for Section – I (Env. Science) and Section – II (Social Science).

SECTION – I

Module – I

1. a) Briefly describe the need of public awareness about the environment. 8
b) Write short notes on : 8
 - i) Impact of mining
 - ii) Impact of timber extraction.
- c) Describe the factors affecting land degradation. 9
2. a) Discuss the merits and demerits of constructing dam. 10
b) Write a note on renewable sources of energy. 7
c) Describe the concept, structure and function of ecosystem. 8

Module – II

3. a) What is marine pollution ? Give an account of the sources, effects and remedial measures of marine pollution. 15
b) Describe the sources, effects and control measures of solid wastes management. 10
4. Write notes on :
 - i) Ozone layer depletion. 9
 - ii) Functions of SPCB. 8
 - iii) Water conservation. 8

P.T.O.



SECTION – II

Module – III

5. a) The study of the philosophy of Social Sciences is as relevant to an engineering student as the study of any other sciences. Comment on the truth of the statement with reference to the subject you have studied. 10
- b) Define stress. Elaborate any six coping mechanisms you would like to evolve to fight stress. 7
- c) Write short notes on **any two** of the following : (4+4)
- i) Benefits of positive living
 - ii) What a 'successful personality' means ?
 - iii) Achievement motivation.
6. a) Do you feel women really need to be empowered ? Justify your point of view. 10
- b) Define Responsibility. Mention the challenges and responsibilities inherent in the profession of engineering. 8
- c) What does the word 'team' mean to you ? Elaborate on a few qualities of a good team member and state the importance of interpersonal skills in a team. 7

Module – IV

7. a) Define Education. Mention and elaborate six positive outcomes you expect from education. 10
- b) Define 'Culture' in your own words. State the merits and demerits of cross cultural imitation. 8
- c) Is Globalisation an attack on One's local culture and is the phenomenon lacking in any benefits ? 7
8. a) How is the word 'tolerance' different from 'toleration' ? Why should we practice today, 'the religion of humanity' ? 10
- b) Does education nurture talent or stifle it ? Justify convincingly your point of view. 8
- c) Is culture static or changing ? Give reasons for your answer. 7
-