

Total No. of Printed Pages:2

F.E. Semester-II (Revised Course 2016-17)
EXAMINATION OCTOBER 2020
Environmental Sciences and Social Sciences

[Duration : Two Hours]

[Total Marks :60]

- Instructions:-**
- i) Answer for 30 marks from Section I (Part A & Part B) and 30 marks from Section II (Part C & Part D)
 - ii) Use separate answer books for Section I (Env. Science) and Section II (for Social Science)
 - iii) Figures to the right indicate marks.

Section – I (Env. Science)
Part A

- Q.1 a) Describe the role of an individual in conservation of natural resources. (10)
b) What are renewable and non – renewable energy sources and use of alternate energy sources? (10)
- Q.2 a) What is water pollution and what are its effects? (10)
b) What is water conservation and watershed management? (10)
- Q.3 a) What is fertilizer – pesticide problems and water logging? (10)
b) What are the social issues of environment from unsustainable to sustainable development? (10)

Part B

- Q.4 What are the effects of extracting and using mineral resources on the environment? (10)
- Q.5 What is air pollution and what are its effects of environment? (10)

Section – II (Social Science)
Part C

- Q6 a) Define ‘Stress Management’. Mention the various ways in which an optimistic student evolves coping mechanisms to handle stress and state how different his coping strategies are in comparison to a pessimistic student. (10)
b) Elaborate on the evils of religion and state how it brings about divisive tendencies in society. (10)
- Q7 a) As an engineer, you have been asked by a primary school management/authorities, to design a bus. Elaborate on any six responsibilities you need to discharge as an

engineer in the designing of a school bus.

(10)

- b) Does school education that you receive help you prepare for the challenges of college life? Give reasons for your answer.

(10)

Q8

- a) Mention any six key features of the Humanistic theories of personality and state how they differ from the Psychoanalytic school of thought in their portrayal of personality.

(10)

- b) Define 'Acculturation'. Will acculturation lead to social disorder or will it assist/aid the process of globalization?

(10)

Part D

1 x 10=10

Q9

- a) Define the concept of 'TEAM'. Elaborate on any five challenges of working in a team.

(10)

Q10

- a) What do you understand by the term 'National Culture'? What, according to you, defines the cultural identity of an Indian?

(10)