

SOCIETY AND ENVIRONMENT

Time : Three hours

Gain

Maximum Marks : 100

Answer FIVE questions, taking ANY TWO from Group A, ANY TWO from Group B and ALL from Group C.

All parts of a question (a,b,etc.) should be answered at one place.

Answer should be brief and to-the-point and be supplemented with neat sketches. Unnecessary long answers may result in loss of marks.

Any missing or wrong data may be assumed suitably giving proper justification.

Figures on the right-hand side margin indicate full marks.

Group A

1. (a) Is sociology a science or an art ? Elaborate. 5
- (b) What are different types of class that exist in our society ? Discuss. 5
- (c) What do you mean by cultural heritage ? 5
- (d) Differentiate between community and society. 5
2. (a) Discuss the factors responsible for social mobility. 5
- (b) Discuss the role of religions in creating social tension. 5
- (c) What are the social responsibilities of engineers ? 5
- (d) What are the factors responsible for disintegration of family system in India ? 5

3. (a) Discuss the parameters of social development. 5
- (b) Should Planning Commission be replaced with a new institution? Has it lost its relevance? 5
- (c) Discuss the role of information technology (IT) in social integration. 5
- (d) How can social media be used to create awareness about the social evils? 5
4. (a) What is the role of engineers in economic development? 5
- (b) What do you mean by corporate social responsibility? 5
- (c) What do you mean by technology adoption and technological upgradation? 5
- (d) What is the criteria for assessment of appropriate technology? 5

Group B

5. (a) What do you mean by climate change? What measures can be adopted to reduce the adverse impact of climate change? 5
- (b) Differentiate between deforestation and afforestation. 5
- (c) What are the causes of soil pollution? How can it be prevented? 5
- (d) What do you mean by biosphere cycle? 5
6. (a) How seasons change? 5
- (b) What do you mean by atmosphere? Discuss the atmosphere of earth. 5

- (c) What are the measures required for the protection of ozone layer? 5
- (d) What are the consequences of environmental degradation? 5
7. (a) Discuss the sources of renewable energy. 5
- (b) Discuss various types of agricultural waste. How can it be used for generating energy? 5
- (c) What are different types of industrial waste? 5
- (d) What are different types of urban waste disposal system? 5
8. (a) What is green growth in the context of India's forest policy? 5
- (b) What is the objective of celebrating World Environment Day on June 5 every year? 5
- (c) What is carbon credit and carbon footprints? 5
- (d) What do you mean by clean technology? 5

Group C

9. (A) Give the full form of the following abbreviations: 5 × 1

- (i) SAARC *South asia*
- (ii) ESCAP
- (iii) NEPA
- (iv) NCEPC
- (v) UNCTAD

- (B) Write the name of the author of the following books: 5 × 1

- (i) The Gardener
- (ii) India Divided

- (iii) Mother India
- (iv) Pinjar
- (v) Satyarth Prakash

(C) Why are the following personalities known? 5 × 1

- (i) Abdul Gaffar Khan
- (ii) W C Bannerjee
- (iii) James Watt
- (iv) V V Giri
- (v) Walt Disney

(D) Name the inventors of the following: 5 × 1

- (i) X-ray
- (ii) Smallpox vaccine
- (iii) Microscope
- (iv) Electric iron
- (v) Microphone