

W-05: 2AN:AN204/AD 304 (1404)

SOCIETY AND ENVIRONMENT

Time: Three hours Maximum marks: 100

Answer FIVE questions, taking ANY TWO from Group A, ANY TWO from Group B and All from Group C. A 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 data or wrong data may be assumed suitably giving proper justification.

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

Group A

1.(a) what is social justification? Explain in brief. 6
(b) Write a critical note on the origin of caste system in India and recent changes taking place in caste system. 8

- (c) Give an account of the current trends with respect to occupation - 6
2 (a) What are the consequences of inequality and how can these be reduced? 8
(b) What are the major causes of social tensions ? Write in brief. 8
(c) Write in brief the most effective methods of population control. 4
3. (a) Define plan holiday and rolling plan - 5
(b) Explain green revolution. 5
(c) What are the genuine steps required for : "Garibi Hatao" 10
4. (a) Describe the technological developments during the 20 th century. 12
(b) List the major criteria for assessment of appropriate technology. 8

Group B

5. (a) What are the six classes for the components of ecosystems ? Describe in brief. 8
(b) Write a critical note on biosphere cycle and explain the carbon dioxide cycle. 12
6. (a) List the main causes of eco-imbalance. Suggest the remedies to prevent them. 8
(b) Explain in brief the causes for environmental degradation in India. 8
(c) Suggest the methods to control the noise pollution. 4
7. (a) How is the Ozone layer being destroyed and how to prevent it.? 8
(b) Describe in brief the sanitary land -filling method for solid waste disposal. 12
8. (a) what do you understand by urban wastes? How can these be treated? 8
(b) What are the salient features of the Brundtland Report, ' Our Common Future'? 6
(c) Write a critical note on technology for sustainable energy. 6

Group C

9. Answer the following : 2 x 10
(i) Define culture
(ii) what is social mobility?
(iii) Write the Pareto's law mathematically.
(iv) Define Engineering and Technology.
(v) Mention two e-wastes.
(vi) What is CNG ?
(vii) As per the white paper of the U K Government, how many indicators are there for a better quality of life?

(viii) Write the correct answer:

Thermal Power plants use

- a , Coal
- b. Oil
- c. uranium
- d. All of these

(ix) The Institution of Engineers (India) can be called

- a.) a society
- b.) an Association
- c.) a Trust
- d) none of these

(x) Write the odd one:

- a) nitrogen
- b) Phosphate
- c) Oxygen
- d) potash

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Group A

1. (a) Do you agree with the statement that man is a social animal ? 8
(b) What is social mobility? 6
(c) Discuss the factors that bring social change. 6
2. (a) Differentiate between the following: 8
(b) Discuss the major characteristics of caste system. 6
(c) What is Cultural Lag ? 6
3. (a) What is manpower planning? 10
(b) Briefly describe technological development in India after independence. 10
4. (a) Discuss the role of science and technology in social development. 8
(b) Discuss the technology policy of India. 7
(c) What is e-commerce? 5

Group B

5 (a) What are the causes of global warming? State its effects briefly. 8

(b) How is ozone layer being depleted? 6

(c) What is ecology? 6

6. (a) What are the factors responsible for ecological imbalance? 6

(b) Name the different sources of air pollution. 6

(c) Write a note on wildlife preservation. What measures would you suggest in this regard? 8

7. (a) State the effects of deforestation. 6

(b) Do you like to ban Gutka-panmasala legally? How will you proceed? 6

(c) Use of plastic bags is causing incalculable loss to human being as well as animals. Comment and suggest methods to replace it. 8

8. (a) Write a note on pollution problems from automobile exhausts. 6

(b) Is political stability necessary for sustainable economic development? Discuss it in the context of present political situation in India. 8

(c) What do you understand by industrial wastes? How can these be treated? 6

Group C

9. (a) Why the following personalities are known for? 1 x 5

(i) Sunderlal Bahuguna

(ii) Amartya Sen

(iii) Bill Gates .

(iv) Medha Patka

(v) Greg Chappell.

(b) Write the author(s) of the following books: 1x5

(i) India Wins Freedom

(ii) Asian Drama

(iii) Discovery of India

(iv) Midnight's Children

(v) Anandmath

(c) Match the item in Column A with Column B: 1 x 5

Column A Column B

(i) Das Kapital 1.K.Galbrath

(ii) Wealth of Nations (2) Arundhati Rai

(iii) A God of Small Things (3) ShivKhera

(iv) You Can Win (4) Adam Smith

(v) A China Passage (5) Karl Marx
