

2020-21

Time - 3 hours

Full Marks - 80

*Answer all groups as per instructions.
Figures in the right hand margin indicate marks.
Candidates are required to answer in their
own words as far as practicable*

GROUP – A

1. Answer all questions or fill in blanks. [1 × 12]
- (a) Forest Conservation Act was established in the year _____.
- (b) Which gas is mainly responsible for global warming ?
- (c) Which radiation is absorbed by ozone layer ?
- (d) World Forestry Day is celebrated on _____.
- (e) The term ecology was first introduced by _____.
- (f) London smog occurs in the year of _____.
- (g) Tuberculosis is caused by _____.
- (h) Silent Valley Movement started in _____ state.

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- (i) Appiko Movement started in the year of _____.
- (j) The uppermost horizon of soil profile is called _____ horizon.
- (k) Ecological pyramid concept was given by _____.
- (l) Succession taking place in sand is known as _____.

GROUP – B

2. Answer any eight of the following questions within two to three sentences each. [2 × 8

- (a) What is Biomagnification ?
- (b) What is Hard water ?
- (c) What are roles of Troposphere ?
- (d) What is Ecotone ?
- (e) What is PAN ?
- (f) What is Biological Species Concept ?
- (g) What is Community Stratification ?
- (h) What are the biological properties of an infectious agent ?
- (i) What is Bio-gas ?
- (j) What is Red Data Book ?

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GROUP – C

3. Explain any eight of the following within 75 words each. [3 × 8]

- (a) Energy flow in ecosystem
- (b) Acid rain
- (c) Eutrophication
- (d) AIDS
- (e) Population growth curves
- (f) Role of women in environmental movement
- (g) Soil Erosion
- (h) Central Pollution Control Board
- (i) Air Act, 1981
- (j) Chipko Movement

GROUP – D

Answer any four questions within 500 words each.

- 4. What is an Ecosystem ? Describe its components with a suitable example. [7]
- 5. Briefly discuss different parameters of a population. [7]
- 6. What is wildlife ? Discuss methods of wildlife conservation. [7]

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7. Write an essay on water pollution. [7]
8. Discuss the methods of natural disaster management. [7]
9. Discuss the environmental movements in Odisha. [7]
10. What is urbanization ? How is it affecting the society ? [7]