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Time allowed: 1 hour

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Answers to this Paper must be written on the paper provided separately.

You will **not** be allowed to write during the first 15 minutes.

This time is to be spent in reading the question paper.

The time given at the head of this Paper is the time allowed for writing the answers.

Attempt all questions from Section A and any four questions from Section B.

The intended marks for questions or parts of questions are given in brackets [].

SECTION A (40 Marks)

(Attempt all questions from this Section.)

Question 1

[16]

Choose the correct answers to the questions from the given options.

(Do not copy the questions, write the correct answers only.)

(i) The mechanical device which reduces air pollution from industries is:

- (a) Two stroke engines
- (b) Catalytic converter
- (c) Solar panels
- (d) Electrostatic precipitator

(ii) Captive breeding is a means:

- (a) to protect wild animals in forests
- (b) to restore extinct species
- (c) to breed wild animals in zoos and botanical gardens
- (d) to allow animals to breed in natural habitat

This paper consists of 8 printed pages.

(iii) Choose the incorrect pair from the following:

- (a) Organic fertilizers → Agricultural residue
(b) Composting → Organic wastes
(c) Vermicomposting → Earthworms
(d) Green manure → Chemical compounds

(iv) An ecocity is:

- (a) a satellite city of an urban area
(b) a rural area linked to a city
(c) a less populated city
(d) a sustainable city

(v) Match each item in COLUMN I with one item in COLUMN II and choose the correct answer:

COLUMN I

1. Montreal Protocol
2. Cairo Conference
3. Global Environmental Facility
4. CITES

COLUMN II

- A. Empowerment of women
- B. Protection of animals
- C. Funds for climate change
- D. Ozone depleted substances

- (a) 1-A 2-B 3-C 4-D
(b) 1-B 2-A 3-D 4-C
(c) 1-D 2-A 3-C 4-B
(d) 1-C 2-B 3-A 4-D

(vi) The reason for poor standard of living and malnutrition in India is:

- (a) Over population
(b) Environmental conditions
(c) Absence of natural resources
(d) Poor economy of rural India

(vii) **Assertion (A):** MNC's made better infrastructures, brought employment and reduced the gap between the developed and developing nations.



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Reason(R): MNC's exploited the resources and acquired land, thus destroying the ecology.

- (a) A is True and R is False
- (b) A is False and R is True
- (c) Both A and R are True and R is the correct explanation of A
- ✓ (d) Both A and R are True but R is not the correct explanation of A

(viii) Which source of electricity generation is least harmful to the environment?

- (a) Coal
- ✓ (b) Nuclear energy
- ✓ (c) Gasoline
- (d) Diesel

(ix) The figure given alongside refers to a major International Conference on the environment. This was held in:

- (a) Kyoto in Japan
- ✓ (b) Rio de Janeiro in Brazil
- (c) Cairo in Egypt
- (d) Montreal in Canada



(x) Biomass refers to:

- ✓ (a) Plant waste, animal waste and agricultural residue
- (b) Industrial waste
- (c) Biogas plant
- (d) Fertilizers and pesticides

(xi) Assertion (A): The satellite imagery is used for collecting data on environmental damage.



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Reason (R): This data collection helps in marketing and selling of forest products.

- (a) Both A and R are true statements
- (b) A is false and R is true
- (c) Both A and R are true and R is the correct reason for A
- ✓ (d) A is true but R is not the correct reason for A

(xii) The main objective of IRDP is:

- (a) Improvement in banking
- (b) Alleviation of rural poverty
- ✓ (c) Development of rural youth
- (d) Employment to retired persons

xiii) 'Many urban centres have landfill sites, and often, waste is not disposed in these sites.' In this context which of the following improves solid waste management:

- (a) Teaching people the importance of segregation
- (b) Hospital waste to be gathered collectively
- ✓ (c) Composting is a bad option
- (d) Staff handling the wastes should be discouraged

(xiv) Extensive planting of trees on barren land to increase forest cover is called:

- (a) Reforestation
- ✓ (b) Afforestation
- (c) Deforestation
- (d) Energy plantations

(xv) Given below are few methods of conservation of resources. Choose the correct method of soil conservation:



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- (a) Metal recycling
- (b) Triple drip irrigation
- (c) Mulching and dry farming
- (d) Shifting cultivation

(xvi)



What was the main cause of this tragedy?

- (a) The factory was located in an isolated area
- (b) The company exported tested and good technology to the plant
- (c) Trained and knowledgeable staff
- (d) Safety checks were less frequent due to shortage of staff

Question 2

- (i) Why is LPG more popular to use as a fuel? Write *two* advantages of it.
- (ii) What are the *two* causes for rise of population in India?
- (iii) "Most slum residents in urban area are better off than the rural poor." State *any two* advantages the slum residents have over rural poor.
- (iv) State *any two* reasons to prove landfills are not environment friendly.

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