

ICSE SEMESTER 1 EXAMINATION

SPECIMEN QUESTION PAPER

ENVIRONMENTAL SCIENCE

Maximum Marks: 40

Time allowed: One hour (inclusive of reading time)

ALL QUESTIONS ARE COMPULSORY.

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

Select the correct option for each of the following questions.

Question 1

Which of the following air pollution control devices has maximum efficiency? [1]

- (a) Electrostatic precipitator.
- (b) Cyclone separator.
- (c) Fabric filter.
- (d) Wet scrubber

Question 2

Which among the following is not a manmade cause for climate change? [1]

- (a) Deforestation.
- (b) Industries.
- (c) Volcanoes.
- (d) Burning of fossil fuels.

Question 3

The full form of MHADA is: [1]

- (a) Maharashtra housing authority and development area.
- (b) Maximum housing and area development authority.
- (c) Maharashtra housing and area development authority.
- (d) Minimum housing and authority development area.

Question 4

The direct effects of soil erosion are: [1]

- (a) Reduction of electricity generation.
- (b) Reduces productivity of the soil.
- (c) Reduces irrigation.
- (d) Reduces navigability.

Question 5

An example of bio fertilizer is: [1]

- (a) Bacillus thuringiensis.
- (b) Bio neem.
- (c) Praying mantis.
- (d) Rhizobium.

Question 6

Satellite cities are also called: [1]

- (a) Primary cities.
- (b) Sustainable cities.
- (c) Eco cities.
- (d) Secondary cities.

Question 7

Which of the following is not a cause of soil erosion? [1]

- (a) Deforestation.
- (b) Terracing.
- (c) Overgrazing.
- (d) Heavy rainfall.

Question 8

Which of the following gases is responsible for yellowing of the Taj Mahal? [1]

- (a) Sulphur dioxide.
- (b) Chlorine.
- (c) Sulphur.
- (d) Nitrogen dioxide.

Question 9

Which one of the following is not a regenerative farming practice? [1]

- (a) Intercropping.
- (b) Agroforestry.
- (c) Use of chemical pesticides.
- (d) Crop rotation

Question 10

The medium population projections for 2020 made by the UN. Are: [1]

- (a) 10 million
- (b) 12.5 billion
- (c) 10 billion
- (d) 7.8 million

Question 11

Sericulture is the practice of rearing [1]

- (a) Fish.
- (b) Goats.
- (c) Sheep.
- (d) Silkworms.

Question 12

Biomass refers to: [1]

- (a) Plant waste
- (b) Animal waste
- (c) Agricultural residue
- (d) All of the above

Question 13

PNG stands for: [1]

- (a) Portable Natural Gas.
- (b) Piped Natural Gas.
- (c) Piped nitrogen gas.
- (d) Piped nature gas.

Question 14

Counter urbanization is the movement of:

[1]

- (a) People from major cities to less urban and rural areas.
- (b) People from secondary cities to a Metropolitan.
- (c) People from one urban city to another.
- (d) None of the above

Question 15

An example of a secondary city in India.

[1]

- (a) Mumbai.
- (b) Noida.
- (c) Gujarat.
- (d) Mysore.

Question 16

The effects of urbanization are:

[1]

- (a) Increased levels of carbon- dioxide.
- (b) Water pollution.
- (c) Proliferation of slums.
- (d) All of the above.

Question 17

Which among the following is not an ecological impact of population growth:

[1]

- (a) Decrease in ground water.
- (b) Reduction in forest cover.
- (c) Loss of biodiversity.
- (d) Increase in informal sector.

Question 18

Which strategy among the following is used to control population is:

[1]

- (a) Illiteracy.
- (b) Education.
- (c) Superstition.
- (d) Desire for a male child.

Question 19

The leader for the Ralegaon story is: [1]

- (a) Parasu Ram Mishra.
- (b) Gaura Devi.
- (c) Anna Hazare.
- (d) Medha Patkar.

Question 20

Silviculture means: [1]

- (a) Cultivating forest crops.
- (b) Cultivating ornamental plants
- (c) Cultivating fruit crops.
- (d) Cultivating cereals.

Question 21

SPCB stands for _____. [1]

- (a) State pollution control board.
- (b) State pollutant control board
- (c) Special pollution control board.
- (d) State preservation control board.

Question 22

Taj Mahal is losing its shine due to _____. [1]

- (a) Water pollution.
- (b) Air pollution.
- (c) Sound pollution.
- (d) Radiation pollution.

Question 23

[1]

An eco-city is also called a _____ city.

- (a) Sustainable.
- (b) Secondary.
- (c) Satellite.
- (d) None of the above

Question 24

[1]

Extensive planting of trees on barren land to increase forest cover is called _____.

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

Question 25

[1]

The aim of Chipko movement was _____.

- (a) Forest conservation.
- (b) Human rights.
- (c) Providing employment.
- (d) All of the above.

Question 26

[5]

Match the correct options with the columns questions:

Column A

Column B

- | | |
|----------------------------|------------------------------------|
| 1. Beej Bacchao Andolan | (i) Shorter Life Cycle |
| 2. Trickle Drip Irrigation | (ii) Save the indigenous Seeds |
| 3. Strip Cropping | (iii) Integrated Pest Management |
| 4. HYV'S | (iv) Initial Cost very High |
| 5. Sustainable Agriculture | (v) Effective Against Wind Erosion |

1. (a) (iii)
(b) (ii)
(c) (iv)
(d) (v)
2. (a) (v)
(b) (iii)
(c) (i)
(d) (iv)
3. (a) (i)
(b) (iii)
(c) (v)
(d) (iv)
4. (a) (iv)
(b) (v)
(c) (i)
(d) (ii)
5. (a) (i)
(b) (ii)
(c) (iii)
(d) (iv)

Question 27

Organic food is not healthier since it is not contaminated by harmful pesticides. [1]

- (a) True
- (b) False

Question 28

Natality is the number of live births per 100 people of population per year. [1]

- (a) True
- (b) False

Question 29 [1]

CNG is an alternate fuel.

- (a) True
- (b) False

Question 30 [1]

Green buildings are made using eco-friendly material.

- (a) True
- (b) False

Question 31 [1]

In developed countries the major problem is overconsumption.

- (a) True
- (b) False

Question 32 [1]

Social forestry is planting of trees on unused and fallow land without the involvement of local communities.

- (a) True
- (b) False

Question 33 [1]

Gasohol is a mixture of ethanol and diesel.

- (a) True
- (b) False

Question 34 [1]

Entry of heavy commercial vehicles is restricted to 8.00 am to 10.00 pm.

- (a) True
- (b) False

Question 35

[1]

Concrete sleepers can replace the wooden sleepers in railways.

- (a) True
- (b) False

Question 36

[1]

Conservation tillage is defined as any tillage and planting systems that leaves at least half of the soil surface covered by residue after planting.

- (a) True
- (b) False