



**Instructions to Candidates**

1. Write your Examination, Roll Number, Registration Number and the other particulars at the Right side of this page only. Do not write your name or the name of your College, anywhere in the Answer Book.
2. You are not allowed to bring any book or loose paper into the Examination Hall.
3. You must not write anything on the question paper or blotting paper or any other material.
4. Any act of indiscipline or misbehaviour in the Examination Hall will result in disciplinary action.
5. You are not allowed to leave the Examination Hall until 30 (thirty) minutes after the commencement of the Examination.

*N.B.* The space in the margin in all the pages is meant for use of the examiners. Students must *not put any mark* in that space.

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**2015**

**ENVIRONMENTAL STUDIES**

*Full Marks : 80*

*Pass Marks : 32*

*Time : 3 hours*

*The figures in the margin indicate full marks for the questions*

**SECTION—A**

Put a Tick  mark against the correct answer in the boxes provided :

1×25=25

1. Nuclear energy is nonrenewable.

(a) True

(b) False

(c) Partly wrong

(d) Partly right

**2. Desertification includes**

- (a) animal grazing
- (b) lack of water
- (c) extension of sand soil
- (d) All of the above

**3. Greenhouse effect maintains earth's temperature to**

- (a) 5 °C
- (b) 15 °C
- (c) 27 °C
- (d) 10 °C

**4. Which of the following is an example of freshwater ecosystem?**

- (a) Oceanic floor
- (b) Oceanic bay
- (c) Estuary
- (d) Pond

5. The word 'biodiversity' was used for the first time by Walter G. Ross in the year

(a) 1987

(b) 1986

(c) 1985

(d) 1984

6. Temperature of a planet is determined by

(a) concentration of CO<sub>2</sub>

(b) distance from the sun

(c) size of the planet

(d) its speed

7. Aquifers refer to

(a) a kind of animals

(b) a group of tribals

(c) underground water table

(d) a kind of plants

8. Drosera is

- (a) an insectivore plant
- (b) a reptile
- (c) an extinct mammal
- (d) None of the above

9. Acid rains are caused mainly due to

- (a) carbon monoxide
- (b) carbon dioxide
- (c) sulphur dioxide
- (d) dust particles

10. Which of the following is a biodegradable waste?

- (a) Plastic
- (b) Paper
- (c) Nylon
- (d) Rubber

11. In an ecosystem, deer, rabbit, cow, etc., are examples of

- (a) autotrophs
- (b) herbivores
- (c) carnivores
- (d) decomposers

12. The Botanical Survey of India was established in the year

- (a) 1814
- (b) 1890
- (c) 1954
- (d) 1964

13. Which of the following layers is responsible for climatic phenomenon?

- (a) Troposphere
- (b) Stratosphere
- (c) Exosphere
- (d) Mesosphere

14. Many of the synthetic pesticides are

- (a) biodegradable
- (b) nonbiodegradable
- (c) herbicides
- (d) fertilizers

15. Biological clock refers to

- (a) days
- (b) months
- (c) seasons
- (d) years

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16. The first Crocodile Conservation Breeding Centre in Asia was founded in the year

- (a) 1966
- (b) 1976
- (c) 1986
- (d) 1977

17. The Wildlife Institute of India was established in the year

- (a) 1972
- (b) 1982
- (c) 1992
- (d) 2002

18. National Forest Policy requires how much of the total land covered with forests?

- (a) 50%
- (b) 32%
- (c) 20%
- (d) 33%

19. The Forest Conservation Act was enacted in India in the year

- (a) 1952
- (b) 1962
- (c) 1972
- (d) 1980

20. The States of Karnataka and Tamil Nadu are in conflict over the waters of the river

- (a) Krishna
- (b) Cauvery
- (c) Godavari
- (d) Narmada

21. Sariska Tiger Reserve is located in which of the following States in India?

- (a) Gujarat
- (b) Rajasthan
- (c) Uttar Pradesh
- (d) Karnataka

22. Geothermal energy is harnessed from

- (a) solar radiation
- (b) tidal waves
- (c) heat from earth's interior
- (d) wind



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23. In India, the average rainfall is

- (a) 97 cm
- (b) 127 cm
- (c) 150 cm
- (d) 117 cm

24. Which of the following biofertilizers is used for growing paddy?

- (a) Cow dung
- (b) Green manure
- (c) Manure made from khali (oil cake)
- (d) Blue-green algae

25. Excessive irrigation of soil leads to

- (a) soil pollution
- (b) floods
- (c) soil erosion
- (d) waterlogging

Write the answers of the following not exceeding 100 words each :

1. Write a short note on the importance of environmental studies.

3

**PDF Eraser** 2. Differentiate between use and exploitation of natural resources.

2

3. Give the role of decomposers in an ecosystem.

2

4. What is desertification?

2

5. Illustrate a simple food chain of a pond ecosystem.

2

**PDF Eraser Free** 6. Is vermicomposting beneficial to environment? Give one reason.

2

**7** Write a brief note on air pollution and its ill-effects on human health.

2

PDF Eraser Free 8. What is ex situ conservation?

2

9. Write a short note on the Wildlife Protection Act of India.

2



**10.** Discuss the importance of minerals in the Modern Age.

2

11. What do you understand by equitable use of resources?

2

**PDF Eraser Free** 12. What is ecotourism?

2

Answer any *three* of the following :

1. Discuss the impact of growing population on earth's resources and the consequent impact of depletion of these resources. Suggest some measures to control over population. 5+5=10

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2. Discuss the hazards of pollution in urban places. Give some remedial measures to prevent water pollution.

4+6=10

3. What do you mean by disaster management?

Discuss the management and mitigation measures of floods.

5+5=10

4. What is global warming? Discuss the impact of global warming on global rainfall pattern and also discuss the impact on floral and faunal environment.

2+(4+4)=10

5. What are the impacts of jhum cultivation on environment, especially in mountain ecosystem? 10