

1/2021

2021/2022

Roll No.....

SCHOOL OF UNANI MEDICAL EDUCATION & RESEARCH
ANNUAL EXAMINATION-2021
Paper Code: ES-01
ENVIRONMENTAL STUDIES

Time: 03 Hours

Maximum Marks: 75

(Write your Roll number at the top immediately on the receipt of question paper)
Attempt all questions. All parts of a question must be answered in continuation

1. Choose the Correct Answer:

(15 x 1=15)

- i. International day for the "Preservation of the Ozone Layer" is celebrated on:
a) 16 September
b) 22 May
c) 5 December
d) 2 February
- ii. Environmental studies is:
a) Material Science
b) Life Science
c) Interdisciplinary science
d) Chemical science
- iii. The UGC approved textbook for EVS is published by:
a) UGC
b) Jaypee Publishers
c) Springer
d) Bharati Vidyapeeth Inst. of Env. Education & Research
- iv. Acid Rain contains:
a) Hydrochloric acid
b) Sulphuric acid
c) Oxalic acid
d) Acetic acid
- v. Ozone layer, which protects biosphere from UV rays, is present in the:
a) Troposphere
b) Stratosphere
c) Mesosphere
d) Thermosphere
- vi. The primary source of energy on earth is:
a) Solar energy
b) Bioelectric energy
c) Chemical energy
d) Electric energy
- vii. The complex network of interconnected food chains is called:
a) Tropic level
b) Ecological Pyramid
c) Food Web
d) Succession
- viii. The unit of measurement of sound intensity is:
a) Dobsons
b) Decibels
c) Parsec
d) Candela
- ix. Heterotrophs are also known as:
a) Decomposers
b) Autotrophs
c) Consumers
d) Detritivores
- x. Disease caused by exposure of Mercury is:
a) Itai-itai
b) Arthritis
c) Bone softening
d) Minamata

xi. Which of the following is not a cause of deforestation:
a) Population growth
b) Industrialization
c) Plantation
d) Urbanization

xii. Which of the following is the most potent greenhouse gas:
a) Carbon dioxide
b) Methane
c) Ozone
d) Water vapors

xiii. Montreal Protocol emphasizes on phasing out of:
a) Heavy metals
b) Greenhouse gases
c) Chlorofluorocarbons
d) All of them

xiv. Major cause of Ozone depletion is due to:
a) Polyphenols
b) Dioxins
c) Chlorofluorocarbons
d) All of them

xv. Who is regarded as 'Father of Biodiversity':
a) Norman Borlaug
b) Sundarlal Bahuguna
c) E. O. Wilson
d) Thomas Lovejoy

2. Explain Any Five of the following briefly:

(5 x 3=15)

- | | | |
|-------------------------|-------------------------------------|---------------------|
| i) Trophic level | ii) Greenhouse effect | iii) Global warming |
| iv) Endemic species | v) In-situ and Ex-situ Conservation | vi) Acid rain |
| vii) Ecological pyramid | viii) Nitrogen Cycle | ix) Eutrophication |

3. Justify how environmental studies is a “multi-disciplinary approach” with an account of the scope of environmental studies. (15)

OR

Explain any THREE with suitable illustrations.

(5 x 3=15)

- I. Explain the importance of biodiversity and reasons why biodiversity should be preserved.
- II. What are the needs and problems of construction of dams?
- III. Highlight the sources of alternative energy.
- IV. Enlist various forest-functions.
- V. Write short note on Aquatic Ecosystem.

4. Define Ecosystem. Briefly, explain the unidirectional flow of energy in an ecosystem. (15)

OR

What are the major causes of loss of food resources? Explain alternate food resources.

5. Describe various types of pollutions and pollutants. List various ways in which an individual can contribute towards pollution prevention in society. (15)

OR

Briefly, describe the sources, effects and control of Noise Pollution.
