

PE-514
(554) M.Sc. ZOOLOGY (FOURTH SEMESTER)
Examination JUNE 2022
Compulsory/Optional
Group-
Paper-IV

Name/Title of Paper- ENVIRONMENT AND BIODIVERSITY CONSERVATION

Time: Three Hours

Maximum Marks-080

Minimum Passing Marks-029

नोट: दोनों खण्डों से निर्देशानुसार उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित हैं।

Note: Answer From Both the Section as Directed. The Figures in the right-hand margin indicate marks.

Section-A

1- Answer the following questions in very short

1x10=10

- a. What are the best water conservation practices?
- b. What are the 3 types of sustainability?
- c. What are the 2 type of agriculture pollution?
- d. What is nuclear radiation?
- e. How do green house work?
- f. What cause acid rain?
- g. What is environmental legislation?
- h. What is soil erosion?
- i. What is the value of biodiversity?
- j. What are the advantage of conventional energy sources?

2- Answer the following questions

2x5=10

- a- Define environmental and sustainable development?
- b- What are the causes of water pollution?
- c- Write short notes on global warming?
- d- What is timber extraction?
- e- Write the role of an individual in conservation of natural resources?

Section-B

Answer the following questions:-

15x4=60

3- Describe the Biogeochemical cycles with examples?

Or

What is pollution? Write the radioactive and thermal pollution with examples.

4- Write short notes on:-

i) Green House Effect

ii) Ozone Depletion

Or

Describe the basic concept of environmental biology scope and environmental science?

5- Write short notes on:-

i) Soil erosion and desertification

ii) Use and over utilization of surface and ground water

Or

Describe the in city and ex-city conservation of biodiversity?

6- Explain Drought dams benefits and problems?

Or

Give a detailed account of effect of modern agriculture?