

[4]

SECTION 'C' $4 \times 10 = 40$

Long Answer questions (Word limit 400-450 words.)

UNIT-I

Q. 1. Explain the Energy flow in Ecosystem.

OR

What is the Ecological Succession?

UNIT-II

Q. 2. Write down the characteristics of population.

OR

Write down the difference between national park, national sanctuaries and biosphere.

UNIT-III

Q. 3. Explain the mechanism of Adaptation.

OR

Explain the Aerial adaptation.

UNIT-IV

Q. 4. Explain the physiological mechanism of regulation of body temperature.

OR

Explain the effect of yoga and meditation.

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[1]

ROLL NO.....

ZOO. 202/21

II SEMESTER EXAMINATION, 2021

M.Sc. (ZOOLOGY)

PAPER-II

ENVIRONMENTAL BIOLOGY AND ENVIRONMENT

PHYSIOLOGY

TIME: 3 HOURS

MAX.- 80

MIN.- 16

Note: The question paper consists of three sections A, B & C. All questions are compulsory.

Section A- Attempt all multiple choice questions.

Section B- Attempt one question from each unit.

Section C- Attempt one question from each unit.

SECTION 'A' $2 \times 8 = 16$

MCQ (Multiple Choice Questions)

- Which is the renewable exhaustible natural energy resource -
(a) Coal (b) Petroleum
(c) Kerosene (d) Bio mass
- Which of the following requires maximum energy -
(a) Secondary consumer (b) Decomposer
(c) Primary consumer (d) Primer producer
- Which is not characteristics of the population -
(a) Secondary consumer (b) Decomposer
(c) Primary consumer (d) Primary producer

[2]

4. Dead animal → Blow fly maggot → maggot → Frog → Snake , What type of food chains it is?

- (a) Predator food chain (b) Detrital chain
(c) Composer chain (d) Grazing chain

5. White coat of polar bears help them to -

- (a) Camouflage (b) Look big
(c) Dry faster (d) Stay healthy

6. Tiger and leopard have stripes on their bodies this is help them to -

- (a) Keep body cool (b) Mix with surrounding
(c) Look beautiful (d) Help in hunting

7. Literal meaning of the word yoga -

- (a) Hindus system philosophy and meditation
(b) Inner peace
(c) Control breathing
(d) Joining together

8. How many Asana in surya namskar-

- (a) 12 (b) 10 (c) 7 (d) 8

[3]

SECTION 'B'

4 × 6 = 24

Short Answer Type Questions (Word limit 200-250 words.)

UNIT-I

Q. 1. Draw the flow chart of Nitrogen Cycle.

OR

What is limiting factor.

UNIT-II

Q. 2. Explain the conservation of wild life.

OR

Explain the factors that increases and decreases the population.

UNIT-III

Q. 3. Explain the deep sea environment.

OR

Explain Desert environment.

UNIT-IV

Q. 4. Explain the difference between Acclimatization and Adaptation.

OR

Explain the difference between stress and strain.