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COMMON SECOND MID TERM TEST - NOV. 2019

STANDARD - XII

Reg. No.

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Marks : 35

Time : 1.15 hours

BIOLOGY

Note : Answer part I Bio-Botany and part II- Bio zoology in separate answer sheets:
 Part - I - Bio - Botany

Marks = 18

SECTION I

3 × 1 = 3

I. Answer all the questions :

choose the suitable answer and write the option code and the corresponding answer.

- In pond ecosystem the pyramid of biomass is always
 - Inverted
 - spindle shaped
 - upright
 - stucturchers
- The unit of measuring ozone thickness
 - Joule
 - Kilos
 - Dobson
 - Watt
- Dwarfing gene of wheat is -----
 - pal 1
 - Atomita. 1
 - Falida-2
 - Norin-10

SECTION - II

2 × 2 = 4

II. Answer any two of the following:

- Define food web?
- Give examples for green house gases?
- Write the uses of bio- pesticides

SECTION - III

2 × 3 = 6

III. Answer any two of the following:

question no .8 is compulsory.

- Construct the food chain with the following data hawk , plants, frog, snake, grasshopper.
- What is called environmental impact arressment?

(E/A)

- Define autopolyploid give example.

SECTION - IV

1 × 5 = 5

IV. Answer the following question :

- State the ten percentage law with example.

(OR)

What is called agroforestry and what are the uses of agroforestry?

2

BIO - ZOOLOGY

Section - A

XII BIOLOGY
Max Marks 25

Note : i) Answer all the questions . ii) Each question carries one mark. $5 \times 1 = 5$

- 1) The First clinical gene therapy was done for the treatment of
 - a) AIDS
 - b) Cancer
 - c) Cystic fibrosis
 - d) SCID
- 2) In mammals embryonic stem cells are
 - a) Totipotent
 - b) Pluripotent
 - c) Multipotent
 - d) oligopotent
- 3) Which one of the following are at high risk extinction due to habitat destruction?
 - a) Mammals
 - b) Birds
 - c) Amphibians
 - d) Echinoderms
- 4) Match the following

1. PCR	- a) HIV
2. stem cells	- b) oligopotency
3. GMO	- c) Finger printing
4. ELISA	- d) Rosie

 - a) 1-c, 2-b, 3-d, 4-a
 - b) 1-d, 2-c, 3-a, 4-b
 - c) 1-b, 2-c, 3-d, 4-a
 - d) 1-c, 2-a, 3-b, 4-c
- 5) Transgenic animals are those which have
 - a) Foreign DNA in some of their cells.
 - b) Foreign DNA in all their cells.
 - c) Foreign RNA in some of their cells.
 - d) Foreign RNA in all their cells.

Section - B

 $2 \times 2 = 4$

Note: i) Answer any two questions.
ii) Each question carries two marks.

- 6) What are interferms?
- 7) What are hotspots?
- 8) What are red data book or red list?

SECTION-C

 $1 \times 3 = 3$

Note : i) Compulsory question
ii) This question carries three marks.

- 9) What is the application of PCR in Forensic science?

SECTION - D

 $1 \times 5 = 5$

Note : Answers any one question :

- 10) Write a short notes on human alpha lactalbumin

(OR)

List out the various causes for biodiversity losses.

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