

SECOND MID TERM TEST - 2023

STD - XII

TIME : 1.30 Hrs

BIOLOGY

YouTube/ Akwa Academy

MARKS : 35

BIO-BOTANY (Marks : 18)

I. Choose the correct Answer.**3 x 1 = 3**

- Orobanche is a
 - Saprophyte
 - Autotroph
 - partial parasite
 - Total parasit
- The term Ecosystem was coined by
 - A.G.Tansely
 - Odum
 - Lindeman
 - M.S.Swaminathan
- The unit for measuring ozone thickness
 - Joule
 - Kilos
 - Dobson
 - Watt

II. Answer any two questions.**2 x 2 = 4**

- What is Ecological equivalents?
- What is Seed Ball?
- What is food chain?
- What is ozone hole?

III. Answer any two questions.**2 x 3 = 6**

- What is competition?
- What is pyramid of Energy?
- What is Afforestation?

IV. Answer any one of the following.**1 x 5 = 5**

- Write the anatomical adaptations of Zerophytes? (OR)
Write the Human activities of the green house effects.

BIO-ZOOLOGY (Marks : 17)**I. Choose the correct Answer.****2 x 1 = 2**

- The first clinical gene therapy was don for treatment of
 - AIDS
 - Cancer
 - Cystic firbosis
 - SCID
- Which of the following is an 'r' - speceis
 - Human
 - Insects
 - Rhinoceros
 - Whale

II. Answer any two questions.**2 x 2 = 4**

- What are DNA Vaccines?
- What are Transgenic animals? Give an Example.
- What is Gene Therapy mean?
- What is Pedogenesis?

III. Answer any two questions.**2 x 3 = 6**

- Differentiate between somatic cell gene therapy and Germ line gene therapy?
- Write any thre applications of PCR?
- Write the properties of Soil?
- Difference Natality and Mortality?

IV. Answer any one of the following.**1 x 5 = 5**

- Mention the advantages and disadvantages of Cloning? (OR)
 - List the adaptations seen in Terrestrial animals.

XII - BIOLOGY