

Ts12Bio

Tenkasi District
Common First Mid Term Test - 2023



Standard 12

Time: 1.30 Hrs.

BIOLOGY

Marks: 35

10-08-2023. **BIO - BOTANY**

Marks: 17

PART - I

I. Choose the correct answer:

2 × 1 = 2

- 1) First cell of male gametophyte in angiosperm is
 - a) Microspore
 - b) Megaspore
 - c) Nucleus
 - d) Primary endosperm nucleus
- 2) In _____ the single gene affects multiple traits and alters the phenotype of the organism.
 - a) Lethal genes
 - b) Epistatic
 - c) Pleiotropy
 - d) Hypostatic

PART - II

II. Answer any two of the following:

2 × 2 = 4

- 3) What is cantharophily?
- 4) What is endothelium?
- 5) What are multiple alleles?
- 6) Give the names of the scientistis who rediscovered mendelism.

PART - III

III. Answer any two of the following:

2 × 3 = 6

- 7) Write the significance of parthenocarpy fruit.
- 8) Define the term Diplospory.
- 9) Define geitonogamy.
- 10) What are the reasons for Mendel's successes in his breeding experiment?

PART - IV

IV. Answer the following:

1 × 5 = 5

- 11) What is endosperum? Explain the types.

(OR)

Describe dominant epistasis with an example.

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BIO - ZOOLOGY

Marks: 18

I. Choose the correct answer:**3 × 1 = 3**

- 1) In which reproduction, the offsprings are identical and similar to parent _____.
 - a) Sexual reproduction
 - b) Conjugation
 - c) Syngamy
 - d) Asexual reproduction
- 2) Acrosome has an lytic enzyme called _____.
 - a) Hyaluronidase
 - b) Hyaluronic acid
 - c) Lysin
 - d) Lysozyme
- 3) Find out hormone releasing IUD _____.
 - a) CU 7
 - b) Multiload 375
 - c) Lippes loop
 - d) LNG 20

II. Answer in short: [any two]**2 × 2 = 4**

- 4) Write down the symptoms of Candidiasis.
- 5) What is Lyonisation?
- 6) Expand the following: (a) hcG (b) hpl

III. Answer any two. Q.No. 9 is compulsory:**2 × 3 = 6**

- 7) Draw and label the diagram of Human Ovum.
- 8) Wiener Hypothesis.
- 9) A brief note on Colostrum.

IV. Answer all:**1 × 5 = 5**

- 10) Explain the major events in human reproduction.

(OR)

Genetical control of Rh factor.

Sivakumar. M, Sriyam matic HSS,
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