

T COMMON FIRST REVISION EXAMINATION - JAN. 2025

Standard - XI
BIOLOGY

Reg No

Time: 3.00 hrs.

Marks: 70

BIO - BOTANY

Marks: 35

8×1=8

I. Choose the correct answer:

- Identify the Archae bacterium
a) Acetobacter b) Erwinia c) Treponema d) Methanobacterium
- Coralloid roots are found in _____.
a) Algae b) Cycas c) Lichen d) Marsilea
- An example for Phylloclade is _____.
a) Asparagus b) Polyalthia c) Opuntia d) Daliaus
- Vexillary aestivation is characteristic of the family.
a) Fabaceae b) Asteraceae c) Solanaceae d) Brassicaceae
- The sequence used for the study of Phylogeny is _____.
a) mRNA b) tRNA c) rRNA d) HnRNA
- The pairing of homologous chromosome on Meiosis is known as
a) Bivalent b) Synapsis c) Disjunction d) Synergids
- Test used to Identify protein Moelcule is _____.
a) Iodine Test b) Biuret Test c) Benedict test d) Hydrolysis Test
- Perianth is seen in _____.
a) Clitoria ternatea b) Datura Metal c) Allium Cepa d) Pongamia Pinnata

SECTION - II

II. Answer any four of the following questions:

4×2=8

- What is Capnophilic bacteria.
- What do you Inter from the term Pycnoxylic?
- Compare fusiform and conical form roots with example.
- Where will you place the plants which contain two cotyledons with cup shaped thalamus.
- Draw and label the structure of Polytene Chromosome.
- What are properties of water.

SECTION - III

III. Answer any three of the following questions. Q.No.19 is compulsory:

3×3=9

- Write the distinguishing features of Monera.
- What are the primary functions of Stems.
- Differentiate - Nucleoside and Nucleotide.
- Write the difference between aggregate fruit with multiple fruit.
- Draw the floral diagram and write the floral formulae for Datural metal.

SECTION - IV

IV. Answer the following In detail:

2×5=10

- Write the step involved in Gram Staining Method. (OR)
 - Differentiate between Mitosis and Meiosis.
- What are the parts of Leaf? (OR)
 - What is the role of national gardens in conserving biodiversity - discuss.

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XI-BIOLOGY

BIO - ZOOLOGY
SECTION - I

Marks:35

I. Answer all the questions;

8×1=8

1. The prokaryotes which have the ability to live in Salty environments.
a) Extremophiles b) Halophiles c) Methanogens d) Pathanogens
2. Exoskeleton of which phylum consists of Chitinous cuticle.
a) Annelida b) Porifera c) Arthropoda d) Echinodermata
3. The epithelium is made of a single layer of cube like cells called
a) cuboidal epithelium b) Columnar epithelium
c) Simple epithelium d) glandular epithelium
4. Sexually, earthworms are
a) Sexes are Separate b) Hermaphroditic but not self - fertilizing
c) Hermophroditic and self - fertilizing d) Parthenogenic
5. Which of the following is not the function of liver?
a) Production of insulin b) Detoxification
c) Storage of glycogen d) Production of bile
6. Which of the following combinations are not matched :

Column I	Column II
a) Bilirubin and billiverdin	- i) Intestinal Juice
b) Hydrolysis of Starch	- ii) Amylases
c) Digestion of fat	- iii) Lipases
d) Salivary gland	- iv) Parotid
7. During inspiration, the diaphragm
a) expands b) unchanged
c) relaxes to become doom shaped d) contracts and flattens
8. A person having both antigen A and antigen B on the surface of RBCs belongs to blood group.
a) A b) B c) AB d) O

SECTION - II**II. Answer any four of the following questions:**

4×2=8

9. Define triploblastic animals with examples?
10. Differentiate biopsy and Autopsy.
11. Comment on the functions of alary muscles?
12. Define : Gastro Oesophagus Reflex disorder (GERD)
13. Distinguish between Mitral Valve and Semi Lunar Valve.
14. Resistance in the airways is typically low. Why give 2 reasons.

SECTION - III**III. Answer any 3 of the following questions. 19th compulsory question.**

3×3=9

15. Differences between a Frog and Toad.
16. How the body makes long term adjustments when living in high altitude?
17. Distinguish between arteries and veins.
18. Explain Emphysema.
19. Explain the different types of cell junctions.

SECTION - IV**IV. Answer in Detail:**

2×5=10

20. Any 5 primary functions of the Respiratory system. (OR)
Write the classification of connective tissue and their functions.
21. Draw and labelled the structure of Human Heart. (OR)
Explain the Female Reproductive system of Frog.