

20. (a) What are the general characters of Protochordate?

Or

- (b) How can you differentiate Amphibia from Pisces?

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

21. Given out the general characters of fungi.
22. Describe the stellar evolution with proper diagram.
23. Explain the types of inflorescences with proper diagram.
24. Briefly explain about starfish.
25. Differentiate vertebrate from invertebrate.
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S.No. 6931

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(For candidates admitted from 2022–2023 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023

Microbiology — Core Choice Course

APPLIED BIOLOGICAL SCIENCES

Time : Three hours

Maximum : 75 marks

SECTION A — (20 marks)

- I. (A) Multiple choice questions : (5 × 1 = 5)
1. The study of algae is called
- (a) Mycology (b) Algology
- (c) Phycology (d) All the above
2. Lichens are \_\_\_\_\_ organism
- (a) Micro (b) Fungal
- (c) Dual (d) Algal
3. Classification based on evolution is called
- (a) Natural (b) Artificial
- (c) Phylogenetic (d) All the above

4. Amoeba comes under the class  
(a) Porifera (b) Platyhelminthes  
(c) Annelida (d) Protozoa
5. Important character of Chordata is  
(a) Absence of back bone  
(b) A long notochord  
(c) They are laying eggs  
(d) None of the above
- (B) Fill in the blanks : (5 × 1 = 5)

6. Algal plant body is called as \_\_\_\_\_.
7. The plant body of Bryophytes \_\_\_\_\_ organism.
8. Phanerogamic plants are \_\_\_\_\_ plants.
9. Exoskeleton is a character of \_\_\_\_\_.
10. Crocodile is coming under the order \_\_\_\_\_.

II. Answer ALL questions : (5 × 2 = 10)

11. What is cyanobacteria?
12. What is protostele?
13. Mention the natural system of classification?
14. What are the classes of invertebrates?
15. Point out the important character of Pisces?

SECTION B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b)

16. (a) Write down the general characters of algae.  
Or  
(b) Briefly note down the economic importance of fungi.
17. (a) Mention the economic importance of gymnosperms.

Or

- (b) List out the characters of lichen.
18. (a) How can you describe a flower Technically?  
Or  
(b) Differentiate between dicot and monocot.
19. (a) Give out the salient features of aschelminths.

Or

- (b) Write down the important characters of Arthropoda.