

Roll No. of Candidate : _____

BIOLOGY

Intermediate Part-I, Class 11th (1st A 323-I)

Paper : I Group - I

Time: 20 Minutes

OBJECTIVE

Code : 6461

2

Marks: 17

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

1. Pasteurization is widely used for preservation of
(A) food products (B) meat products (C) meat (D) milk products
2. The potential source of chemical energy for cellular respiration
(A) C - N bonds (B) C - O bonds (C) C - H bonds (D) C - C bonds
3. The optimum pH of enterokinase is
(A) 3.50 (B) 5.50 (C) 7.50 (D) 9.50
4. The cyclosis and amoeboid movements are due to
(A) microfilaments (B) microtubules (C) intermediate filaments (D) all of these
5. The capsomeres present in the capsid of Adenovirus are
(A) 252 (B) 352 (C) 200 (D) 162
6. Bacteria which can live in presence or absence of oxygen are called
(A) aerobic (B) facultative (C) anaerobic (D) microaerophilic
7. Apicomplexans move by means of
(A) cilia (B) flagella (C) flexing (D) all of these
8. Sexual reproduction is absent in
(A) zygomycota (B) ascomycota (C) basidiomycota (D) deuteromycota
9. The gametophyte of mosses is
(A) haploid (B) diploid (C) polyploid (D) tetraploid
10. Flame cells are the excretory structures in
(A) segmented worm (B) flat worms (C) round worms (D) insects
11. Syrinx is organ of voice in
(A) amphibians (B) reptiles (C) birds (D) mammals
12. The first action spectrum was obtained by T.W. Engelmann in
(A) 1683 A.D. (B) 1783 A.D. (C) 1883 A.D. (D) 1983 A.D.
13. During respiratory chain, coenzyme 'Q' is oxidized by
(A) cytochrome "b" (B) cytochrome "c" (C) cytochrome "a" (D) cytochrome "a₃"
14. Deficiency of phosphorus causes stunted growth of
(A) shoots (B) roots (C) leaf (D) flowers
15. Respiratory pigment present in muscle fibre is called
(A) globin (B) haemoglobin (C) myoglobin (D) haemocyanin
16. Single circuit heart is found in
(A) birds (B) reptiles (C) mammals (D) fishes
17. One complete heart beat lasts for
(A) 0.8 sec (B) 1.0 sec (C) 0.5 sec (D) 0.2 sec

219-(I)-1st A 323-29000



BIOLOGYIntermediate Part-I, Class 11th (1st A 323)

Paper : I Group – I

Time: 2:40 Hours

SUBJECTIVE

Marks: 68

Note: Section-I is compulsory. Attempt any three (3) questions from Section-II.

3

SECTION – I**2. Write short answers to any EIGHT questions.**

(2 x 8 = 16)

- i - How is carbon necessary for life?
- ii - Differentiate between apoenzyme and holoenzyme.
- iii - Explain effects of substrate at activity of an enzyme.
- iv - Why human beings die by eating of poisons or drugs?
- v - What is parasexuality?
- vi - Explain aflatoxins.
- vii - What is coelom?
- viii - What is the importance of nematocysts in coelenterates?
- ix - Differentiate between acrania and craniata.
- x - Distinguish between anamniotes and amniotes.
- xi - Write down the molecular formulae for chlorophyll (a) and chlorophyll (b).
- xii - How do cytochrome enzymes play role in energy production?

3. Write short answers to any EIGHT questions.

(2 x 8 = 16)

- i - Differentiate between parasitology and microbiology.
- ii - How some diseases of plants can be controlled by bacteria?
- iii - Differentiate chromoplast from leucoplast.
- iv - How the body cells are protected from invading organisms or foreign particles? Write down two mechanisms.
- v - What do you know about parasitic zooflagellates?
- vi - Write down a few lines on dinoflagellates.
- vii - How phytophthora infestans ruined Ireland?
- viii - How algae is different from plants? Write down two characters.
- ix - Differentiate microphyll from megaphyll.
- x - How family Poaceae is economically very important to us? Give two reasons.
- xi - What is facilitated diffusion?
- xii - What is role of Casparian strips in roots of plants?

4. Write short answers to any SIX questions.

(2 x 6 = 12)

- i - What are pocks?
- ii - Differentiate between A-trichous and peri-trichous bacteria.
- iii - Write down two functions of large intestine.
- iv - What are nematocyst?
- v - How intracellular digestion differs from extra cellular digestion?
- vi - Enlist organelles involved in photorespiration.
- vii - How inspiration occurs in man?
- viii - pH of blood influences the degree to which Oxygen binds to haemoglobin. Comment it.
- ix - What is tuberculosis?

SECTION – II

5. (a) Describe the role of biology to control the diseases by preventive measures. (4)
- (b) Discuss the different types of immunity. (4)

6. (a) Define RNA, describe its various types. (4)
- (b) Write down characteristics of Basidiomycota. (4)

7. (a) Write down importance of bacteria. (4)
- (b) How leaf evolved in early vascular plants? (4)

8. (a) Give an account of glycolysis and sketch it. (4)
- (b) Describe the structure of Bacteriophage with diagram. (4)

9. (a) Write down a detailed note on functions of cell membrane. (4)
- (b) How digestion takes place in stomach? Explain it. (4)

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