



Name _____

1- ہر سوال کے سامنے چار دائرے دئے گئے ہیں، صرف صحیح جواب والا دائرہ بھریں۔

2- دائروں کو شیڈ (بھرنے) کے لئے نیلے یا کالے رنگ کا مارکر استعمال کریں۔

Roll No _____

3- جواب میں ایک سے زائد دائرے بھرنے سے جواب غلط تصور ہوگا۔

Time Allowed: 20 Minutes

SECTION – A

Marks : 18

- 1 Yams (Dioscorea) show..... venation. Reticulate Parallel Transverse Perpendicular
- 2 Cnidocytes is the characteristic feature of phylum..... Arthropoda Platyhelminthes Chordata Mammalia
- 3 The fibers of Jute (Corchorus capsularis) and ramie (Boehmeria nivea) are..... Soft Elastic Hard Both Soft & Elastic
- 4 Chailakhian concluded that flowering hormone is produced in..... Phloem Stem Roots Leaves
- 5 Macronutrients tend to be less available in soils with.....pH. Optimum High Low Neutral
- 6play an important role in the location of furrowing during cell division and in the formation of cilia and flagella. Cytoskeleton Intermediate filaments Centrioles Microfilaments
- 7 Which organism was used for the first time to prove that DNA is the heredity material? Mouse Virus Bacterium None of these
- 8 An increase in activation energy will results in anrate of reaction. Increased Decreased Not affected Optimum
- 9 How many protons are pumped across in total for every FADH₂ molecule that takes part in electron transport chain? Two Four One Three
- 10 After intense activity, your muscles feel sore because of the accumulation of..... NAD⁺ ATP CO₂ Lactic acid
- 11 Methanogens live in strictenvironment. Anaerobic Aerobic Facultative aerobic None of these
- 12 Cotton leaf curl disease (CLCUD) is caused by..... White fly Bemisia tabaci Begamovirus A complex of begamovirus species
- 13 The formation of sporozoites from oocyst occurs through the process of Binary fission Multiple fission Mitosis Meiosis
- 14 Penicillium produced asexually by..... Sporangiospores Ascospores Conidiospores Basidiospores
- 15 Which of the given can be stored in liver cells? Minerals Vitamins Glycogen All these
- 16is blood poisoning, especially that caused by bacteria or their toxins. Botulism Urticaria Septicemia Allergy
- 17 A stroke may result in..... Death Paralysis Both A and B None of these
- 18 Which immune cell is responsible for the quickest release of histamine that causes the red itchy welt associated with allergies? Mast cell Lymphocyte Eosinophil Basophil

PR XI (01) 18 15019
BIOLOGY (New)
Inter Part-I
(Fresh/Reappear)

Note: Time allowed for Section – B and Section – C is 2 Hours and 40 minutes.

Section – B

Marks: 40

Q-II Answer any TEN parts. Each part carries FOUR marks.

1. What is alternation of generation? Give its types and importance.
2. What is Diffusion Pressure Deficit (DPD)? Give its importance.
3. What is metamorphosis? Also mention its types in arthropods.
4. Briefly discuss the economic importance of angiosperms.
5. How do viruses evade host defenses?
6. Write note on the importance of biological molecules with examples.
7. What is the mechanism of enzyme catalysis?
8. What do you know about chemiosmotic ATP synthesis?
9. Write note on the importance of fungi with special reference to their importance in pharmaceutical industry.
10. What is normal flora of human? Give its importance to humans.
11. What is phytochrome? Give its role in inducing flowering stimulus.
12. Write a brief note on the anatomy of pancreas.
13. How hypertension can be prevented?

Section – C

Marks: 27

Note : Attempt any THREE questions. All questions carry equal marks.

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| Q-III | Discuss the role of white blood cells in immune system. Also give their types and mechanism of action. | 9 |
| Q-IV | (a) Give a brief classification of phylum Chordata with examples. | 4 |
| | (b) Differentiate between closed circulatory system and open circulatory system. | 5 |
| Q-V | (a) What is TACT mechanism? Give its role in plants? | 5 |
| | (b) What are osmotic quantities? Give its role in ascent of sap. | 4 |
| Q-VI | (a) Draw only labelled diagram of HIV life cycle. | 4 |
| | (b) Give an outline of the technical classification of bacteria. | 5 |