

P-35

Serial No. Of the Answer Book

Roll No. (in figure)

(in Words)

Superintendent Seal & Signature

FIC. No (For office use only)

901601

BIOLOGY (Fresh) 9th

FIC. No (For office use only)

Max: Marks:65

Total Time: 3 Hours

Note: There are THREE Sections of this Paper i.e. A, B and C, attempt each according to the given instructions.

Time: 20 Minutes

SECTION-A

Marks: 12

Note: Attempt all parts of Section – A. Section –A must be return to the superintendent after 20 minutes even if you have not attempted any question. Overwriting/ defacing/Cutting etc is prohibited in Section-A and no credit will be given to such answer.

I. Write the correct option i.e. A/B/C/D in the empty boxes.

- i. Goiter is caused due to deficiency of _____
(A) Haemoglobin (B) Iodine (C) Calcium (D) Proteins B
- ii. Pancreatic juice does not contains _____
(A) Lipase (B) Amylase (C) Pepsin (D) Trypsin A
- iii. Biometry is the application of _____ in biology.
(A) Algebra (B) Statistics (C) Matrix (D) Geometry B
- iv. Glycolysis occur in _____
(A) Mitochondria (B) Cytosol (C) Chloroplast (D) Nucleus A
- v. In Plant cells golgi bodies are called as _____
(A) Cytochromes (B) Lysosomes (C) centrosomes (D) Dictyosomes D
- vi. Phloem is composed of companion cells, phloem parenchyma and _____
(A) Sieve tubes (B) Trachied's (C) fibres (D) vessels A
- vii. In which of the following organs Meiosis occurs. _____
(A) Testes (B) Lungs (C) Heart (D) Stomach A
- viii. Enzymes are _____
(A) Starch (B) Carbohydrates (C) Proteins (D) Fats C
- ix. One cardiac cycle takes _____
(A) 0.2 seconds (B) 0.8 seconds (C) 0.3 seconds (D) 1 second B
- x. Cell wall of fungi is made up of _____
(A) Cellulose (B) Chitin (C) Starch (D) None of these B
- xi. Which one of the following is the basic and smallest unit of classification _____
(A) Kingdom (B) Genus (C) Family (D) species D
- xii. The gall bladder produces _____
(A) Pancreatic juice (B) Saliva (C) Bile (D) Secretin C

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 32

II. Attempt any EIGHT Parts out of the following. Each Part carries equal marks.

- i. What is the difference between pulmonary vein and Pulmonary artery?
- ii. Give main points of cell theory.
- iii. Differentiate between active transport and Passive transport.
- iv. Define the following terms.
(a) Tissue (b) species (c) Population (d) Community
- v. What is the role of dietary fibre in food
- vi. Write four characteristic of enzymes.
- vii. Write down the contribution of Bu Ali Sina in the field of Biology.
- viii. Differentiate between Paleontology and Entamology.
- ix. Draw labeled diagram of Chloroplast.
- x. Write short note on Golgi complex.
- xi. What is meant by Leukemia?

SECTION "C"

Marks: 21

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

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| III. | (a) What is meant by binomial nomenclature? | 3 |
| | (b) Describe light and dark reaction of Photosynthesis. | 4 |
| IV. | (a) Describe Meristematic Tissues in plants. | 4 |
| | (b) Differentiate between Mitosis and meiosis. | 3 |
| V. | Describe the composition of blood in detail. | 7 |
| VI. | (a) Describe apoptosis and necrosis. | 4 |
| | (b) Describe three factors that affect the rate of enzyme activities. | 3 |