

Note: There are three sections in the paper i.e. A, B & C. Attempt Section-A and return it to the Superintendent within the given time. No mark will be awarded to cutting, erasing & overwriting. Mobile phones are strictly prohibited.

Time: 15 mints

## SECTION-A

Marks: 12

QNo1: There are four possible answers (A, B, C, D) for each question. Select the correct one and write it in the answer box.

- i. Study of internal structure of living bodies is called \_\_\_\_\_ b
- a) Morphology      b) Anatomy      c) Physiology      d) Histology
- ii. Rana Tigrina is the scientific name of the common \_\_\_\_\_ b
- a) Dog      b) Frog      c) Lion      d) cat
- iii. (Malaria is from \_\_\_\_\_ words. d
- a) Greek      b) English      c) Arabic      d) Italian
- iv. Which one of the given is the basic unit of classification? b
- a) Genus      b) Species      c) Family      d) Order
- v. The function of Ribosome is \_\_\_\_\_ d
- a) Synthesis of fats      b) Photosynthesis      c) Digestion      d) Protein synthesis
- vi. Glycolysis occur in \_\_\_\_\_ a
- a) Mitochondria      b) Cytosol      c) Chloroplast      d) Nucleus
- vii. Meiosis results in the formation of \_\_\_\_\_ c
- a) 2 cells      b) 3 cells      c) 4 cells      d) Numerous
- viii. Goiter is caused due to deficiency of \_\_\_\_\_ b
- a) Haemoglobin      b) Iodine      c) Calcium      d) Proteins
- ix. Cardiac Muscles are only found in \_\_\_\_\_ c
- a) Kidney      b) Brain      c) Heart      d) Lungs
- x. Which of the following is called as currency of energy? b
- a) ADP      b) ATP      c) NAD      d) FAD
- xi. Plasma contain all except one \_\_\_\_\_ c
- a) Water      b) Platelets      c) Proteins      d) Nutrients
- xii. The gall bladder produces \_\_\_\_\_ a
- a) Bile      b) Saliva      c) Pancreatic Juice      d) Secretin

Note: Time allowed for Section – B & C is 2:45 hours.

## SECTION – B

Marks: 32

Q2: Answer any EIGHT parts of the following. Each part carries equal marks.

- (i) Differentiate between Paleontology and Entamology.
- (ii) Give main points of cell theory. (iii) Write down the contribution of Bu Ali Sina in the field of Biology
- (iv) Define the following terms:
- |               |              |
|---------------|--------------|
| a. Population | b. Community |
| c. Species    | d. Tissue    |
- (v) Write short note on Golgi bodies.
- (vi) Draw labeled diagram of Chloroplast.
- (vii) Write four characteristics of enzymes.
- (viii) Differentiate active transport and passive transport.
- (ix) What is the difference between Pulmonary Vein and Pulmonary Artery?
- (x) What is the role of Dietary Fibre in food?
- (xi) What is meant by Leukemia?

## SECTION – C

Marks: 21

Note: Attempt any THREE of the following. All questions carry equal marks.

- Q3. (a) Differentiate between Mitosis and Meiosis.  
(b) What is meant by Binomial Nomenclature?
- Q4. (a) Describe apoptosis and necrosis.  
(b) Describe light and dark reaction of Photosynthesis.
- Q5. Describe the composition of human blood in detail.
- Q6. (a) Describe Meristematic Tissues in plants.  
(b) Describe factors that affect the Enzyme activities.