

SECTION "B" SHORT-ANSWER QUESTIONS (Marks: 40)

NOTE: Answer any EIGHT questions from this section. Each question carries 5 marks.

- Q.2 Draw a neat and labelled diagram of Brain of Frog.
- Q.3 Name and define any five branches of Biology.
- Q.4 Write five characteristics of class Aves.
- Q.5 Draw neat and labelled diagram of internal structure of a Human tooth.
- Q.6 What is Metamorphosis? Name and define two types of Metamorphosis.
- Q.7 Write five differences between Prokaryotic and Eukaryotic cells.
- Q.8 Draw a neat and labelled diagram of Brassica Flower.
- Q.9 Write five general characteristics of Cyanobacteria.
- Q.10 Define pollination and fertilization. Define types of pollination in plants.
- Q.11 Name any five Muslim scientists and write at least one contribution of each in the field of Biology.
- Q.12 What are autotrophic plants and heterotrophic plants? Name and briefly describe any three types of heterotrophic plants.
- Q.13 Define aerobic respiration and anerobic respiration with chemical equations of each.

SECTION "C" DETAILED ANSWER QUESTION (Marks: 27)

NOTE: Attempt any THREE questions from this Section. Each question carries 09 marks.

- Q.14(a) Draw a neat and labelled diagram of Human eye.
- (b) What is germination? Name and define three kinds of germination of seed.
- Q.15(a) Describe an experiment to prove that Carbon dioxide is necessary for photosynthesis.
- (b) Write four functions of blood.
- Q.16(a) Name three types of movements in plants. Describe any one of them.
- (b) What are endocrine glands? Name any four endocrine glands with one hormone secreted by each of them.
- Q.17(a) Draw a neat and labelled diagram of Dorsal view of heart of frog.
- (b) Write down four differences between monocot and dicot plants.
- Q.18(a) Draw neat and labelled diagram of Chlamydomonas.
- (b) Define portal system. Name and define two types of portal system in frog.