

MODEL QUESTION PAPER
BIOLOGY (THEORY)
SCIENCE GROUP
(CLASS – IX)

23

Time: 30 minutes:

M.Marks: 18

General Instructions:

Section 'A': It consists of 18 Multiple choice questions (MCQs) and all of them are to be answered.

Section 'B': It comprises of 12 short answer questions of which 08 questions are to be answered.

Section 'C': It comprises of 5 Descriptive answer questions of which 3 questions are to be answered.

SECTION-A (COMPULSORY) MULTIPLE CHOICE QUESTIONS (MCQS) (18 Marks)

Note:

- (i) Attempt all the questions.
- (ii) Do not copy down the Questions. Write only the answer against the proper number of questions and its part.
- (iii) Each question carry **ONE** mark.

Q.1. Choose the correct answer from the given options:

- 1 **Urea is mainly synthesized in:**
☆ Liver ☆ Blood
☆ Kidney ☆ Nephrons
- 2 **Which of the following is the most acidic secretion?**
☆ Pancreatic juice ☆ Gastric juice
☆ Bile ☆ Saliva
- 3 **Binary fission is a type of asexual reproduction found mostly in:**
☆ Multicellular organisms ☆ Animals
☆ Plants ☆ Bacteria
- 4 **Seed develops from:**
☆ Flower ☆ Ovary
☆ Ovule ☆ Pollen grains
- 5 **The part of brain associated with intelligence, memory etc. is:**
☆ Cerebrum ☆ Cerebellum
☆ Pons ☆ Medulla oblongata
- 6 **This vitamin is essential for gums.**
☆ Vitamin A ☆ Vitamin B
☆ Vitamin C ☆ Vitamin D
- 7 **Which of the following is not an alga?**
☆ Chlorella ☆ Volvox
☆ Spirogyra ☆ Yeast
- 8 **Alcohol is produced during the process of**
☆ Aerobic respiration ☆ Anaerobic respiration
☆ Photosynthesis ☆ None of them
- 9 **The group of Marchantia is**
☆ Hepaticae ☆ Musci
☆ Mosses ☆ Anthocerotae

- 10 **Whole of the life sustaining area of earth:**
 ☆ Biosphere ☆ Atmosphere
 ☆ Lithosphere ☆Hydroshpere
- 11 **Viruses are _____**
 ☆ Cellular ☆Noncellular
 ☆Acellular ☆ Unicellular
- 12 **The basic unit of classification is:**
 ☆Kingdom ☆Phylum
 ☆Class ☆Species
- 13 **Knee joint is an example of type of joint.**
 ☆Hinge ☆Ball and Socket
 ☆Immoveable ☆Slightly moveable
- 14 **It causes ripening of fruits:**
 ☆Auxin ☆Cytokinin
 ☆ Ethylene ☆ Gibberellins
- 15 **The melodious voice of many birds comes from:**
 ☆ Syrinx ☆ Larynx
 ☆ Pharynx ☆ Glottis
- 16 **The nucleus of the cell was discovered by:**
 ☆ Robert Hook ☆Schleiden
 ☆ Robert Brown ☆ Virchow
- 17 **It is sensory layer of eyeball.**
 ☆Sclerotic ☆Choroid ☆Retina ☆Cornea
- 18 **“Al-Wahoosh” is written by;**
 ☆ Bu Ali Sina ☆ Abdul malikAsmai
 ☆ Ali bin Isa ☆Jabir bin Hayan

BOARD OF SECONDARY EDUCATION KARACHI

S.S.C. EXAMINATIONS (ANNUAL) 2018 & ONWARDS

MODEL QUESTION PAPER

BIOLOGY (THEORY)

(CLASS – IX)

Science Group

25

Time: 2 hours 30 minutes

Max. Marks: 67

IMPORTANT INSTRUCTION:

This paper consisting of Short Answer Questions (Section B) and Detailed Answer Questions (Section C) will be first to the students and its total duration will be 2 ½ hours only.

SECTION "B" (SHORT ANSWER QUESTIONS) (40)

NOTE: Answer any Eight questions from this section. Each question carries 05 marks.
Answer should be clear and according to need. No extra details are required.

- Q. 2 Name three types of respiration in frog. Also draw labelled diagram of lung of frog.
- Q. 3 Name and briefly define Five kingdom classification of Whittaker.
- Q. 4 Name any four methods of asexual reproduction in animals. Briefly describe any two of them.
- Q. 5 Define cold blooded and warm blooded animals. Write three main characteristics of Mammals.
- Q. 6 Briefly describe the process of Kidney dialysis. (Diagram is not required)
- Q. 7 Define Exo-skeleton and Endo-skeleton. Write three functions of skeletal system in animals.
- Q. 8 Define Pollination and fertilization. Why is Vegetative Propagation ideal for growers?
- Q. 9 Draw neat and labelled diagram of T.S. of Brassica root/
- Q. 10 Define Osmosis, Community, Phytoplanktons, Pyrenoid and Dicot plant.
- Q. 11 What is Phenotype and Genotype? State Law of Independent Assortment.
- Q. 12 Name five plant hormones. Briefly explain any two of them.
- Q. 13 Write five points of importance of Fungi.

SECTION "C" (DETAILED ANSWER QUESTIONS) (27)

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

- Q. 14 (a) Draw a neat and Labelled diagram of Eye of frog OR L.S. of Human Kidney. (5)
(b) Name and define four whorls of a flower. (4)
- Q. 15 (a) Describe four components of blood. (4)
(b) Name different types of plant tissues. Describe Meristematic and Epidermal tissues. (5)
- Q. 16 (a) Draw a neat and Labelled diagram of Digestive system of frog. (5)
(b) Define Mitosis. Name and briefly describe four phases of Mitosis. (Diagram is not required) (4)
- Q. 17 (a) Make a chart to compare the composition of inhaled and exhaled air. (5)
(b) Define Transpiration. Name various factors affecting the rate of transpiration. (4)
- Q. 18 (a) Describe an experiment to prove that Oxygen is evolved during photosynthesis. (5)
(b) Describe the structure of Neuron. (Diagram is not required) (4)