

TAYARRI

FREE PAST PAPERS

Biology	Ninth Class, 2024 Peshawar Board	PR-IX (A-I-A4) (24)
Time: 15 Minutes	Objective	Marks: 12

Note: Four circles are given in front of each question. Fill only the circle against the correct answer. Use a blue or black pen or marker to shade (fill) the circles. Filling more than one circle for a question will make that answer wrong.

- Type of cell division that maintain chromosome number in daughter cell is:
(A) Mitoses (B) Meiosis
(C) Meiosis-I (D) Anaphase-I
- In the presence of enzymes, chemical reactions proceed at a:
(A) Faster rate (B) Slower rate
(C) Constant rate (D) Medium rate
- If the reactants of chemical reactions are $ATP + H_2O \rightarrow \dots$ then the products will be;
(A) $AMP + Pi + 7.3Kcal$ (B) $ADP + Pi + 7.3Kcal$
(C) $ATP + Pi + 7.3Kcal$ (D) $ADP + 7.3Kcal$
- Very intense light is:
(A) Useful for chlorophyll (B) Increase photosynthesis
(C) Damages chlorophyll (D) Help chlorophyll formation
- Which of the given vitamin is needed for the growth and repair of body tissues?
(A) Vitamin A (B) Vitamin B
(C) Vitamin C (D) Vitamin D
- Lungs are responsible for adding oxygen to the deoxygenated blood that they receive from;
(A) Hepatic artery (B) Renal artery
(C) Coronary artery (D) Pulmonary artery
- The study of form, shapes and structure of organisms is;
(A) Morphology (B) Anatomy
(C) Histology (D) Physiology
- Collected data is analyzed by using;
(A) Biological method (B) Statistical method
(C) Mathematical method (D) Ecological method
- Which of the given is an example of Protista?
(A) Penicillium (B) Mosses
(C) Smut (D) Euglena
- Mathias Schleiden claimed that;
(A) Nucleus is spherical body in plant cell (B) All plants are made up of cells
(C) All living organisms are made of cellular tissues (D) Every cell comes from a cell
- Which substance is present in higher concentration after the food is digested in small intestine?
(A) Glucose (B) O_2
(C) CO_2 (D) Glycogen
- In which of the given phase, neurons cells remain for indefinite period of time?
(A) G 1-Phase (B) G 2-Phase
(C) G 0-Phase (D) S-Phase

Biology	Ninth Class, 2024 Peshawar Board	PR-IX (A-I-A4) (24)
Time: 2:45 Hours	Subjective	Marks: 56
Note: Time allowed for Section-B and Section-C is 2 Hours and 45 minutes.		

SECTION-B**Q2: Attempt any EIGHT parts. Each part carries FOUR marks.**

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1. Give correct sequence of biological organization?
2. Write the names of two mammals and two fish species which are over hunted in Pakistan?
3. Briefly explain smooth endoplasmic reticulum?
4. Briefly write the structure and function of fibrous connective tissue?
5. Explain the role of mitosis in growth of organism with an example?
6. Define necrosis. How it causes inflammation?
7. Briefly explain activators. Give TWO examples as well?
8. Define electron transport chain in aerobic respiration.
9. Write the components of saliva and gastric juice.
10. How does the high and low solute concentration in stomata affect the rate of transpiration?
11. Define the “Dub” sound produced in the heart emphasizing on the opening and closing of different valves.

SECTION-C**Note:** Attempt any THREE questions. All questions carry equal marks. (Marks: 24)**Q3: (a)** Ratio and proportion are used in solving biological problems. Briefly explain.**(b)** Define classification. Write the taxonomic hierarchy of man (human being).**Q4: (a)** What is cytoplasm? Write down its TWO functions.**(b)** List THREE events that occur in anaphase-1.**Q5: (a)** Explain induced fit model with the help of diagram.**(b)** Explain the role of chlorophyll in photosynthesis.**Q6: (a)** Write causes and symptoms of Anaemia.**(b)** Write down the steps of translocation of food in plants.**Notes on this transcription**

- Typeset by Tayarri from the printed 2024 Peshawar Board paper (original board sheet). Question wording, numbering and option order follow the source exactly.
- The sheets are marked “SLO Based” — the student-learning-outcome pattern Peshawar Board moved to — and carry the paper reference printed in the header above.
- The source sheet has the correct answers already shaded in. No answer key is reproduced here — the options are given unmarked, as a student would receive them.
- These sheets carry no group label, so the PDFs are filed without one.
- Board spelling kept verbatim: “Mitoses” in objective Q.1.