9th Class Biology Guess Paper For all Punjab Boards English Medium:

Here are the 9th class Biology guess papers of all Punjab boards 2024. which contain important short questions and long questions for various boards in Punjab.

This 9th biology guess paper is for the following Punjab Boards: Lahore Board, Multan Board, Bahawalpur Board, Rawalpindi Board, Gujranwala Board, Faisalabad Board, DG Khan Board, Sargodha Board, and Sahiwal Board.

Chapter 1:
Important Short Questions

1. What are parasites and how do they survive?
2. Explain the importance of farming, horticulture, and agriculture.
3. Describe anatomy.
4. Define hierarchy in biology.
5. Define genetics and biotechnology.
6. Distinguish between population and community.
7. Provide the scientific names for frog, crow, mustard, and onion.

8. Define a fossil.
9. What are the differences between unicellular and multicellular organisms?

Chapter 1:
Important Long Questions

1. Write a note on Muslim scientists.
2. List four careers in biology.
3. Discuss tissue, organs, and organ systems.
4. Describe the relationship of biology with other sciences.

Chapter 2:
Important Short Questions

1. Why are quantitative observations considered better than qualitative observations?
2. Distinguish between theory and law.
3. What is the incubation period?
4. Define scientific method and biological method.
5. Provide examples to distinguish between quantitative and qualitative observations.
6. Define bioinformatics.
7. What constitutes a biological problem?
8. How are hypotheses formulated?
9. What is meant by deductions?

10. Write Dr. AFA King's observations on malaria.
11. Describe the characteristics of a good hypothesis.

Chapter 3:
Important Short Questions

1. Define biodiversity.
2. Explain the relationship between taxonomy and systematics.
3. Distinguish between various and endangered species.
4. Compare the modes of nutrition in plants and fungi.
5. Discuss the importance of biodiversity.
6. Define deforestation and its consequences.
7. How do scientists give scientific names to organisms?
8. What are Monera?
9. Name five kingdom systems.
10. Describe the objectives of classification.
11. What is binomial nomenclature and its significance?
12. Why are viruses not included in any kingdom classification?

Chapter 3:
Important Long Questions

1. How do human activities affect biodiversity?
2. Write the purposes and rules of classification.
3. Discuss the importance of biodiversity.
4. Explain the purposes and rules of binomial names.

Chapter 4:

Important Short Questions

1. Distinguish between diffusion, facilitated diffusion, and active transport.
2. Define hypotonic and hypertonic solutions.
3. What is the Golgi apparatus or Golgi complex?
4. Define osmosis.
5. Explain the cell theory and its rules.
6. List the functions of leucoplast and chromoplast.
7. Name two tissues found in plants.
8. Discuss phagocytosis and pinocytosis.
9. Explain the function of plasmodesmata.
10. Define diffusion and simple diffusion.
11. What is addition and subtraction in biology?
12. Distinguish between endocytosis and exocytosis.
13. Compare eukaryotic and prokaryotic cells.
14. Define voluntary and involuntary muscles.

Chapter 4:
Important Long Questions

1. meristematic tissues in plants and muscle tissues in animals.
2. Discuss the functions of the cell membrane and cell wall.
3. Define the cytoskeleton and its importance.
4. Describe the structure and functions of the nucleus.
5. Write a note on endoplasmic reticulum and epidermal tissues.

Chapter 5:
Important Short Questions

1. Define the cell cycle and name its main stages.
2. How does asexual reproduction occur in hydra?
3. Differentiate between benign and malignant tumors.
4. What is metastasis?
5. Distinguish between somatic cells and germ cells.
6. What is regeneration?
7. Define phragmoplast.
8. What are G0 and G1 phases?
9. Define asexual reproduction with an example.
10. Explain cytokinesis and karyokinesis.
11. Distinguish between mitosis and meiosis.
12. What is crossing?
13. Define disjoint and disjoint.
14. What are apoptotic bodies?

Chapter 6:
Important Short Questions

1. What are biocatalysts?
2. Define enzymes.
3. Distinguish between substrates and products.
4. What is activation energy?
5. Define cofactors, coenzymes, and synthetic groups.
6. use of enzymes in the paper industry.
7. How are enzymes denatured?
8. How do enzymes lower activation energy?
9. Distinguish between anabolism and catabolism.
10. What is the optimum pH for an enzyme?
11. Write about the induced fit model and lock and key model of

enzyme action.

Chapter 7:
Important Short Questions

1. Distinguish between aerobic and anaerobic respiration.
2. Explain cellular respiration.
3. What is the electron transport chain?
4. Define bioenergetics.
5. What is ATP and its subunits?
6. Write the importance of anaerobic respiration.
7. What is meant by light reaction and dark reaction?
8. How is the electron transport chain made?
9. Briefly explain oxidation and reduction processes.
10. Compare alcoholic fermentation and lactic acid fermentation.
11. Contrast respiration and photosynthesis.
12. What is glycolysis?

Chapter 7:
Important Long Questions

1. Distinguish between light reaction and dark reaction.
2role of light and chlorophyll in photosynthesis.
3. Explain the limiting factors in photosynthesis.
4. Explain the mechanism of respiration.

Chapter 8: Important Short Questions

1. Distinguish between bolus and chyme.
2. Write the sources and functions of vitamin A.
3. What are water-soluble and fat-soluble vitamins?
4. Define nutrition.
5. What are saturated and unsaturated fatty acids?
6. sources and functions of vitamin D.
7. Write the functions of dietary fiber.
8. What is a balanced diet?
9. Write the symptoms of ulcer.
10. Write the causes of constipation and diarrhea.
11. What is obesity?
12. Define nutrition and its types.
13. Write the stages of digestion in humans.
14. Write the functions of the oral cavity.
15. What is peristalsis?
16. What is the appendix?
17. What is anemia?
18. Name two major types of fertilizers.

Chapter 8: Important Long Questions

1. Describe the role of the liver in the digestion of food.
2. Describe the process of digestion in the small intestine.
3. Describe the problems related to nutrition.
4. Write the importance of fertilizers for plants.

Chapter 9: Important Short Questions

1. Define systole and diastole.

2. What is the role of potassium ions in the opening and closing of stomata?
3. What is myocardial infarction?
4. What is an antigen?
5. Who are universal donors?
6. Write two differences between arteries and veins.
7. What is pulmonary and systemic circulation?
8. Who are universal donors and recipients?
9. What is leukemia?
10. Explain the theory of symmetric stress.
11. What is meant by source and sink?
12. Write the functions of pericardial fluid.
13. Write the composition of blood plasma.
14. What is transpiration?

Chapter 9:
Important Long Questions

1. How do various factors affect respiration rate?
2. Explain the importance of transpiration.
3. Draw and label the structure of the human heart.
4. Write the importance of the Rh factor
5. Write a note on ABO blood group system.

Note:

Keep in mind that guess papers are just guesses and

should not be relied on entirely. They can be used as a guide to focus on important topics. Biology guess papers are designed for weaker students to pass exams by preparing important questions. It's always best to study all the material thoroughly for the best possible outcome.