

پنجاب کے تمام بورڈز کے لیے

10th Class Biology Guess Paper For all Punjab Boards English Medium:

Here are the 10th class Biology guess papers of all Punjab boards 2024. You can also download the biology guess papers in PDF form, which contain important short questions and long questions for various boards in Punjab.

This 10th 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.

Unit 10: ilmroshan

1. What are stomata and lenticels?
2. What are the functions of the nasal cavity?
3. How does mucus function in the body?
4. Explain the difference between respiration and breathing.
5. What is the diaphragm and its role in breathing?
6. Describe the structure and function of the trachea.
7. What are the symptoms of pneumonia and asthma?
8. Differentiate between acute and chronic bronchitis.

9. What are the effects of smoking on the respiratory system?
10. Explain the structure and function of the voice box (larynx) and bronchi.

Unit 11:

1. Define homeostasis and provide an example.
2. Distinguish between osmoregulation and thermoregulation.
3. Explain pressure filtration and tubular secretion in the kidneys.
4. Describe the components and function of the glomerulus filtrate.
5. What is lithotripsy used for?
6. Differentiate between renal cortex and renal medulla.
7. Discuss kidney transplant and dialysis procedures.
8. What are kidney stones, and what are their symptoms?

Important L/Q

- The osmoregulatory function of the kidney
- Structure and function of the nephron and its diagram
- Dialysis and its types.
- Osmoregulation adaptations in plants.
- Difference between xerophytes and halophytes
- Difference between hydrophytes and xerophytes

Unit 12:

1. Define coordination and its types.
2. Explain the role of ganglia in the nervous system.
3. Describe the structure and functions of the spinal cord.
4. What are the components involved in coordination?
5. Differentiate between stimulus and receptor.
6. Explain the difference between a reflex action and a reflex arc.
7. Distinguish between the somatic and autonomic nervous systems.
8. Define myopia and hypermetropia.
9. What are hormones, and how does the endocrine system function?
10. Describe the functions of the pituitary gland.

Important L/Q

1. Write a note on the neuron with a diagram
2. Structure of the human eye
3. Write a note of forebrain
4. Functions of lobes of the cerebrum
5. Explain reflex arc and reflex action

Unit 13:

1. What is the skeleton, and what are its components?

2. difference between flexor and extensor muscles.
3. Describe the structure and function of osteocytes.
4. bones in the axial and appendicular skeleton?
5. Discuss the types of joints found in the human body.
6. Distinguish between tendons and ligaments.
7. Define compact and spongy bones and explain their differences.
8. What is osteoporosis, and what are its causes and effects?

Important L/Q

1. Cartilage and its types
2. Type of joints
3. Arthritis and its types

Unit 14:

1. Define reproduction and its various types.
2. Explain fragmentation and multiple fission as methods of reproduction.
3. What is parthenocarpy, and how does it occur?
4. Discuss the advantages and disadvantages of vegetative propagation.
5. Describe the formation and significance of endospores.

6. Explain the processes of pollination, self-pollination, and cross-pollination.
7. What is meant by the alternation of generations in plants?

Important L/Q

1. Advantages and disadvantages of vegetative propagation
2. Write a note on the reproductive system of female rabbit
3. Conditions for germination of seed
4. Spermatogenesis and oogenesis

Unit 15:

1. What is a trait, and how does it relate to genetics?
2. Define heredity and provide an example.
3. Explain co-dominance and incomplete dominance with examples.
4. Differentiate between genotype and phenotype.
5. Describe the difference between dominant and recessive alleles.
6. What are genes and alleles, and how do they relate to inheritance?
7. Discuss the concepts of artificial and natural selection.
8. Explain the difference between homozygous and heterozygous alleles.
9. Define translation and transcription in genetics.

Unit 16:

1. Define ecology and community in the context of biology.
2. Explain the concept of an ecosystem.
3. Provide an example to illustrate mutualism.
4. What is acid rain, and what are its effects on the environment?
5. Discuss predation and provide examples.
6. Differentiate between a food chain and a food web.
7. Explain the difference between ecto- and endoparasites.
8. Define nitrification and denitrification.
9. What is symbiosis, and how does it occur in nature?

Important L/Q

1. Nitrogen cycle
2. Biotic elements of the ecosystem
3. Ecological Primades and their types
4. Carbon cycle

Unit 17:

1. What is biotechnology, and how is it applied in various fields?

2. Define single-cell protein and its significance.
3. Explain the concept of a fermentor and its advantages in biotechnology.
4. Discuss the purposes of genetic engineering.
5. What is recombinant DNA, and how is it created?
6. Define fermentation and discuss its importance.
7. Explain the differences between alcoholic and lactic acid fermentation.

Important L/Q

1. Chapter 17: Purposes and aims of genetic engineering
2. Chapter 17: Steps of genetic engineering
3. Chapter 17: Uses and importance of biotechnology
4. Chapter 17: Fermenters and their advantages

Unit 18:

1. Define pharmacology and its pharmacy relationship.
2. What are vaccines, and how do they work?
3. Discuss narcotics and their effects on the body.
4. Explain the concept of hallucinogens.
5. Define sedatives and discuss their potential harms.

6. Differentiate between analgesics and antibiotics in terms of their functions.

Important L/Q

1. Sources of drugs
2. Drug addiction and its impacts

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.

