

TAYARRI

FREE PAST PAPERS

Biology	Tenth Class, 2025 Gujranwala Board	Group - I
Time: 15 Minutes	Objective	Marks: 12

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of the relevant question number. Use marker or pen to fill in the circles. Cutting or filling of two or more circles will result zero mark in that question.

- Human Genome project was launched in
(A) 1990 (B) 1970
(C) 2002 (D) 1978
- Branch of Biology that deals with the study of inheritance is called
(A) Natural selection (B) Artificial selection
(C) Histology (D) Genetics
- The name of tube between kidney and urinary bladder is
(A) Urethra (B) Ureter
(C) Nephron (D) Renal Tubule
- Whose activities have upset the balance of the carbon cycle?
(A) Plants (B) Animals
(C) Decomposers (D) Humans
- Aspirin is categorized as
(A) A drug from animals (B) A synthetic drug
(C) A drug from plants (D) A drug from minerals
- The primary chemical stimulus for breathing is the concentration of
(A) CO₂ in blood (B) O₂ in blood
(C) CO₂ in muscles (D) O₂ in muscles
- After fertilization in plants, the fruit develops from which part?
(A) Ovule wall (B) Ovary wall
(C) Anthers (D) Petals
- Which type of neurons are present inside central nervous system?
(A) Sensory neurons only (B) Motor neurons only
(C) Both sensory and Motor neurons (D) Interneurons only
- Which component of chromosomes contains the genetic instructions for protein synthesis?
(A) Histone protein (B) Chromatin
(C) DNA (D) Nucleosomes
- The disease in which there is an accumulation of Uric Acid in joints.
(A) Gout (B) Rheumatoid arthritis
(C) Osteoporosis (D) Osteoarthritis
- Organisms in the ecosystem that are responsible for the recycling of plant and animal wastes
(A) Consumers (B) Producers
(C) Decomposers (D) Competitors
- Which of the following is the simplest and most common method of asexual reproduction?
(A) Binary fission (B) Budding
(C) Spore formation (D) Vegetative propagation

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Biology	Tenth Class, 2025 Gujranwala Board	Group - I
Time: 1:45 Hours	Subjective	Marks: 48

Note: Section I is compulsory. Attempt any TWO (2) questions from Section II.

SECTION - I

- Q.2 Write short answers to any FIVE (5) questions:** 10
- (i) What is cellular respiration? Define it.
 - (ii) Write down the function of lenticels.
 - (iii) Write down the names of two parts of respiratory system?
 - (iv) Compare the breathing rate in normal conditions and during exercise.
 - (v) How normal pH of blood is maintained?
 - (vi) Define osmoregulation.
 - (vii) Write down names of the components of coordinated action.
 - (viii) What is the function of meninges?
- Q.3 Write short answers to any FIVE (5) questions:** 10
- (i) Write down names of the cells which make bone and cartilage.
 - (ii) What is meant by Rheumatoid Arthritis?
 - (iii) What is double fertilization?
 - (iv) Differentiate between Epigeal and Hypogeal Germination.
 - (v) Describe the Law of Independent Assortment.
 - (vi) Write down any two features of continuous variations.
 - (vii) Write down the difference between the artificial and natural selection.
 - (viii) Write down two examples that deviate Mendel's Laws.
- Q.4 Write short answers to any FIVE (5) questions:** 10
- (i) Explain Atmospheric Nitrogen Fixation.
 - (ii) Define commensalism. Also give an example.
 - (iii) Write down effects of Global Warming.
 - (iv) How smog is formed? Which medical problems it creates for us?
 - (v) Explain batch fermentation.
 - (vi) Write down any two objectives of genetic engineering.
 - (vii) What is meant by analgesics? Give two examples.
 - (viii) Define vaccines.

SECTION - II

- Q.5 (a)** Define Homeostasis. Explain its processes. 4
- (b)** What is bone? Explain its parts with the help of diagram. 5
- Q.6 (a)** Explain anterior lobe of pituitary gland. 4
- (b)** How vegetative propagation of plants is beneficial? Explain it. 5
- Q.7 (a)** Explain basic steps of Genetic Engineering. 4
- (b)** Write down the mode of action of vaccines. 5

Notes on this transcription

- Typeset by Tayarri from the printed 2025 Gujranwala Board paper. Question wording, numbering and option order follow the source exactly. No answer key is included.
- The source is an "UNSOLVED" guide reprint rather than an original board sheet, so no paper code is printed on it.
- The first objective item is printed as "1.1" in the source; the items are numbered 1-12 here, following the printed sequence.

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FREE PAST PAPERS

Biology	Tenth Class, 2025 Gujranwala Board	Group - II
Time: 1:45 Hours	Subjective	Marks: 48
Note: Section I is compulsory. Attempt any TWO (2) questions from Section II.		

SECTION - I

- Q.2 Write short answers to any FIVE (5) questions:** 10
- Compare breathing and respiration.
 - Describe the functions of stomata and mesophyll cells.
 - Write down symptoms of pneumonia.
 - What is meant by passive smoking?
 - Define thermoregulation.
 - Describe the role of lungs and kidney in homeostasis.
 - Distinguish between stimulus and response.
 - What is meant by Myopia?
- Q.3 Write short answers to any FIVE (5) questions:** 10
- What would happen if there are ball and socket joints in the neck?
 - How do bicep and tricep muscles work as an antagonistic pair in the arm?
 - How does vegetative propagation occur in plants?
 - Write down names of whorls of a flower.
 - Write down the concept of incomplete dominance with an example.
 - How does selective breeding impact the traits of domesticated animals and plants?
 - What is meant by F_1 and F_2 generation?
 - What is Central Dogma?
- Q.4 Write short answers to any FIVE (5) questions:** 10
- Define food chain.
 - What is Biogeochemical Cycle?
 - How air pollution can be controlled?
 - What do you mean by concept of 3R?
 - Write down any two applications of fermentation.
 - Describe any two objectives of Genetic Engineering.
 - Write down two effects of Marijuana.
 - Describe function of B-Lymphocytes.

SECTION - II

- Q.5 (a)** Describe the process of Haemodialysis. 4
- (b)** What is a joint? Describe its different types. 5
- Q.6 (a)** Explain the various components of co-ordinated action with examples. 4
- (b)** Explain the process of Binary Fission in bacteria. 5
- Q.7 (a)** What are single cell proteins? Describe their importance. 4
- (b)** Write a note on sedatives, narcotics and hallucinogens. 5

Notes on this transcription

- Objective paper not included.** Only the subjective half of this paper was available; the 12-item objective portion is not part of this PDF. Send the objective sheet and it can be added.
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