

UNSOLVED**Biology****Tenth, 2025
Lahore Board****Group – II****Time: 15 Min.****Objective Type****Marks : 12****Note:**

Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer book. Cutting or filling two or more circles will result in zero mark in that question.

1.1 Stomata are present in:☐ A Xylem☐ B Phloem☐ C Epidermis☐ D Endodermis**2** Length of human kidney is:☐ A 10 cm☐ B 5 cm☐ C 4 cm☐ D 27 cm**3** The unit of nervous system is:☐ A Nucleus☐ B Neuron☐ C Receptors☐ D Nephron**4** Number of soft bones in new born babies:☐ A 200☐ B 206☐ C 256☐ D 300**5** Root is made from:☐ A Testa☐ B Plumule☐ C Micropyle☐ D Radical**6** Example of secondary consumers is:☐ A Livestock☐ B Snake☐ C Goat☐ D Cow**7** Example of corms is:☐ A Ginger☐ B Potato☐ C Onion☐ D Garlic**8** Number of hydrogen bonds in adenine and thiamine:☐ A Two☐ B Three☐ C Four☐ D One**9** Example of codominance is:☐ A Blood groups☐ B Height☐ C Weight☐ D Intelligence**10** Carbonates in crust of soil also form:☐ A O_2 ☐ B CO_2 ☐ C H_2O ☐ D H_2 **11** Dolly is name of:☐ A Rat☐ B Sheep☐ C Flower☐ D Rabbit**12** When does E-Coli bacteria is created:☐ A 1980☐ B 1975☐ C 1977☐ D 1970

UNSOLVED

Biology	Tenth, 2025 Lahore Board	Group – II
Time: 1.45 hrs.	Subjective	Marks : 48

PART – I

- Q.2 Write short answers to any FIVE (5) questions: 10**
- i How lungs are protected from free expanding and contracting movements?
 - ii What is asthma? Give its symptoms.
 - iii Write two bad effects of smoking.
 - iv Differentiate acute bronchitis and chronic bronchitis.
 - v What are succulent organs? Give an example.
 - vi How kidneys do pressure filtration?
 - vii What is the reason of night blindness?
 - viii Why adrenaline is termed as "emergency hormone"?

- Q.3 Write short answers to any FIVE (5) questions: 10**
- i What are tendons? Write their function.
 - ii Write two examples of hinge joints.
 - iii Define epigeal germination.
 - iv Write function of Cowper's glands.
 - v Describe phenotype ratio of F2 generation derived by Mendel's Law of Segregation.
 - vi Why Mendel selected pea plants for his experiments?
 - vii Write two sources of variations.
 - viii Define artificial selection.

- Q.4 Write short answers to any FIVE (5) questions: 10**
- i If producers are eliminated from ecosystem, what will happen?
 - ii Define biosphere.
 - iii Briefly describe global warming.
 - iv How biogeochemical cycles play their role in maintaining an ecosystem?
 - v What is meant by fermentation?
 - vi Define glycolysis.
 - vii What is the function of antibodies in blood?
 - viii Define sedatives and give one example.

PART – II

Note: Attempt any TWO questions.

- Q.5(a)** Write a note on kidney stone formation and its treatment. 5
- (b) Write detail of arthritis. 4
- Q.6(a)** Explain autonomic nervous system. 5
- (b) Describe the structure of a typical dicot seed. 4
- Q.7(a)** Write basic steps in genetic engineering. 5
- (b) Write a note on narcotics and their effects. 4