

Sample				
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

114 P-599

SSC-A-I-2026 (9th)

0+0=

(Section-A) Marks= (12) Time Allowed: 20 Minutes
All questions of this section must be answered on this page and handed over to the Superintendent within given time

991234



Student Name: _____

Name of Paper: BIOLOGY (BIO-I)

Paper Date: 08-APR-26

246

Paper Code: 75

Signature of Student: _____

Paper Version

A B C D

Sign and Seal of Suptd: _____

SEAL

Roll No
Student Must Fill the
Roll Number in Bubbles

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

سوالات

سوال نمبر کے مطابق درست جواب نمبر کا دائرہ پر کریں۔

- The final products of anaerobic respiration are: a. lactic acid or ethanol and CO_2 , b. CO_2 and H_2O , c. ethanol and CO_2 , d. oxygen and glucose
- Excess glucose is stored in the liver and muscles in the form of: a. amino acids, b. fatty acids, c. glycogen, d. protein
- In human heart, the inferior vena cava brings blood to: a. right atrium, b. left atrium, c. right ventricle, d. left ventricle
- If $2n=46$, the number of chromosomes in a sperm cell after meiosis is: a. 23, b. 46, c. 92, d. 184
- Respiration is an example of: a. anabolism, b. catabolism, c. phototropism, d. geotropism
- In photosynthetic prokaryotes, chlorophyll is mainly present in the: a. chloroplast, b. ribosome, c. mitochondria, d. cell membrane
- The nucleus of the cell was discovered by: a. Carlous Linnaeus, b. Robert Hooke, c. Robert Brown, d. Antony Leeuwenhoek
- The transport function of the human blood is mainly due to: a. xylem cells, b. phloem cells, c. white blood cells, d. red blood cells
- Chromosomes move to the opposite poles in the phase known as: a. prophase, b. metaphase, c. anaphase, d. telophase
- The transformation of a fertilized egg into a complete organism is studied under: a. genetics, b. cytology, c. embryology, d. taxonomy
- The type of observation that provides more accurate results is: a. qualitative, b. quantitative, c. both qualitative and quantitative, d. neither qualitative nor quantitative
- In binomial nomenclature, the second part of the biological name represents the: a. specie, b. genus, c. family, d. class

- A B C D
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If the Candidate is absent, The Superintendent Should Fill this sheet and pack the sheet with solved O/R sheets in roll number folder

BIOLOGY — 9th

SSC-9th-Abbottabad-2026

Time: 2 Hours 40 Minutes

SECTION-B**Marks: 32**

1. Attempt any eight of the following short questions. Each question carries 4 marks
 - i. Define tissue. Also give any two examples of tissue with proper function. 2+1+1
 - ii. Justify in four points, why are mushrooms placed in kingdom fungi instead of kingdom plantae. 1+1+1+1
 - iii. Define cisternae. Also write any two differences between smooth and rough endoplasmic reticulum. 2+2
 - iv. Briefly describe turgor pressure. Also state any three importances of turgor in plants. 1+3
 - v. What is meant by G2 phase? State any two events of G2 phase. 2+1+1
 - vi. Briefly describe regeneration as a significance of mitosis. Also give two examples of regeneration in organisms. 2+2
 - vii. Define denaturation. Also state the optimum temperature for most enzymes. 3+1
 - viii. Account for the gain in plant mass due to photosynthesis and the loss of mass due to respiration. 2+2
 - ix. Briefly describe cardiac sphincter and pyloric sphincter. 2+2
 - x. Explain briefly the terms myocardial infarction and angina pectoris. 2+2
 - xi. Distinguish between erythrocytes and thrombocytes in terms of definition, number, function and life span. 1+1+1+1

SECTION-C**Marks: 21****NOTE:** Attempt any three of the following questions. Each question carries 7 marks

2. i. Outline the structural composition of a virus particle with reference to genetic material and protein covering. 2+2
- ii. Define the terms data organisation and data analysis. 1.5+1.5
3. i. Briefly describe fibrous connective tissue. State the role of ligaments and tendons. 1+1.5+1.5
- ii. Define accidental cell death. Also state one example. 2+1
4. i. Describe the preparatory step before Krebs cycle by stating origin of pyruvic acid and fate of pyruvic acid. 2+2
- ii. Outline the steps of enzyme action according to the lock and key model including:
 - (i) Substrate binding
 - (ii) Complex formation
 - (iii) Product release
 1+1+1
5. i. State any two symptoms of thalassemia. Also describe the treatment of the disease. 2+2
- ii. List any three symptoms of diarrhea. 1+1+1