

(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-II)

SSC-10th-Abbottabad-2026

Paper Date: 07-APR-26

165

Paper Code: 76

Signature of Student _____

Paper Version

Sign and Seal of Suptd: _____

SEAL



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 بھریں۔

- All the following are modes of HIV transmission except: a. infected needles, b. infected blood, c. body fluids, d. handshakes
- Human blood group is an example of: a. continuous variations, b. discontinuous variations, c. genetic variations, d. non-genetic variations
- Part of the earth where life exists is called: a. specie, b. population, c. ecosystem, d. biosphere
- Identify the statement that best explains why tertiary consumers are fewer in number: a. they produce their own food, b. they receive less energy, c. they reproduce rapidly, d. they have smaller body size
- SCP is used as: a. only animal feed, b. only human food, c. human food and animal feed, d. medicine only
- Government of Pakistan established Expanded Program on Immunization (EPI) in: a. 1978, b. 1979, c. 1990, d. 1991
- A chemical in cigarette that prevents oxygen transportation in blood is: a. nicotine, b. carbon monoxide, c. benzene, d. formaldehyde
- All the following are common adaptations of xerophytes except: a. deep roots, b. few stomata, c. thick waxy cuticle, d. more stomata
- The myelin sheath is a protective white covering that specifically surrounds the: a. axon, b. axon terminal, c. dendrites, d. cell body
- Mobility aids like wheelchairs and orthoses are advised for patients suffering from: a. coma, b. epilepsy, c. paralysis, d. heart attack
- The pinna is a flexible part of the ear that is structurally supported by: a. bone, b. cartilage, c. muscle, d. tendon
- A propagation method that is used to get better quality and quantity of fruits is: a. cutting, b. budding, c. grafting, d. cloning

- (A) (B) (C) (D)
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Time: 2 Hours 40 Minutes

SECTION-B**Marks: 32**

1. Attempt any eight of the following short questions. Each question carries 4 marks

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|--|---------|
| i. List any four symptoms and any four causes of lung cancer. | 0.5×8 |
| ii. Define the term lenticular transpiration. Also state how does it differ from stomatal transpiration. | 2+2 |
| iii. Identify the number, shape, colour and location of human kidney. | 1+1+1+1 |
| iv. Describe why one's face becomes red in anger and pale yellow in fear. | 2+2 |
| v. Define medulla oblongata as part of human brain. Also state any four functions of medulla oblongata. | 2+2 |
| vi. Summarize the role of the rib cage in humans. Also explain why are the last two pairs of ribs termed as floating ribs. | 2+2 |
| vii. Compare the term fragments with fragmentation in terms of definition. | 2+2 |
| viii. Differentiate between homozygous and heterozygous in terms of definition and examples. | 2+2 |
| ix. Define symbiosis? Also list its three types | 1+3 |
| x. Define a fermenter. List any four medical products manufactured in a fermenter. | 2+2 |
| xi. State what is meant by narcotics. List any three effects of narcotics. | 1+3 |

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

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|---|---------|
| 2. i. Explain treatment for small and large sized kidney stones. | 2+2 |
| ii. Briefly describe rhodopsin and iodopsin. | 1.5+1.5 |
| 3. i. Explain hinge joints and ball and socket joints in terms of movement and examples. | 2+2 |
| ii. Outline role of small and smooth pollen grains and feathery stigma in wind dispersal. | 1.5+1.5 |
| 4. i. State the total number of possible combinations in a dihybrid cross. Explain how do these combinations show independent assortment. | 2+2 |
| ii. State the role of herbicides, chemical fertilizers and animal wastes in causing water pollution. | 1+1+1 |
| 5. i. Name to bacterial fermentation products and two fungal/yeast fermentation products. | 2+2 |
| ii. List any three psychological symptoms of drug addiction. | 1+1+1 |