

BIOLOGY
Abbottabad 2025
PART-II

P-398

Time: 2 Hours 40 Minutes

SECTION-B

Marks: 40

1. Attempt any ten of the following short questions. Each question carries 4 marks.
- i. What is lung volume and lung capacity?
 - ii. Write a short note on gonorrhea.
 - iii. Differentiate between conservative and dispersive model of DNA replication.
 - iv. What is meant by ecological pyramid?
 - v. What is tissue culture? Write down the steps of tissue culture.
 - vi. What is genetic code? Describe start and stop codons.
 - vii. Write a short note on habituation.
 - viii. State law of segregation and law of independent assortment.
 - ix. Enlist the advantages of breast feeding and disadvantages of bottle feeding.
 - x. Define osmoregulations and osmoconformers.
 - xi. Write a short note on territorial behaviour.
 - xii. What is green house effect?
 - xiii. What is convergent and divergent evolution?

SECTION-C

Marks: 27

NOTE: Attempt any three of the following questions. Each question carries 9 marks.

2. Write a brief note on female reproductive system of humans.
3. Write a brief note on DNA replication.
4. Explain: i. Transmission of nerve impulse across synapse ii. XX-XY type of sex determination
5. Describe: i. Transport of oxygen as oxyhaemoglobin ii. Applications of PCR