

Model Paper
BIOLOGY (New)
Inter Part-I
(Fresh/Reappear)

Note: Time allowed for Section – B and Section – C is 2 Hours and 40 minutes.

Section – B

Marks: 40

Q-II Answer any TEN parts. Each part carries FOUR marks.

1. What is Endoplasmic reticulum? Mention its two types.
2. Give two properties and two examples of polysaccharide.
3. Define Enzyme. How do Enzyme work?
4. Write four differences between C₃ photosynthesis and C₄ photosynthesis.
5. What is Antotrophic bacteria? Mention its two types.
6. Write a brief note on Basidiomycota.
7. Write four differences between Gymnosperm and Angiosperm.
8. What is metamorphosis? Differentiate between complete metamorphosis and incomplete metamorphosis.
9. How water movement in the xylem takes place through TACT mechanism?
10. Mention only the digestive function of jejunum and ileum.
11. What is thrombosis? Differentiate between coronary thrombosis and stroke.
12. Write a short note on adaptive immunity.
13. Write four distinguish characters of tracheophytes.

Section – C

Marks: 27

Note : Attempt any THREE questions. All questions carry equal marks. Draw neat and labelled diagram where necessary.

- Q-III**
- (a) Differentiate between prokaryotic and eukaryotic cell.
 - (b) Write four functions of protein.

Q-IV Explain in detail dark reaction of photosynthesis.

- Q-V**
- (a) Define transformation. How it takes place in bacteria?
 - (b) Define inflorescence. Differentiate between catkin and corymb.

- Q-VI**
- (a) Define photoperiodism. What are three classes of photoperiodism?
 - (b) Draw only labeled diagram of internal structure of Human Heart.