

Total Time: 2:40 Hours

Biology (Part-I)
(New Course)**"Section-B"**

Marks: 40

Q.2. Write short answers to any ten (10) of the following parts. All parts carry equal marks.

- ~~(i)~~ How pH of a cell affects the enzyme activity? ✓
- (ii) Write a short note on Pneumonia.
- ~~(iii)~~ How lymphocytes maintain a healthy immune system in human body? ✓
- (iv) What is the main difference between cyclic and non-cyclic photophosphorylation? ✓
- ~~(v)~~ Evaluate the role of steroids in human body. ✓
- ~~(vi)~~ Differentiate between retrovirus and a typical bacteriophage. ✓
- ~~(vii)~~ Differentiate between an antheridium and an archegonium. ✓
- ~~(viii)~~ Write at least four uses of gymnosperms. ✓
- ~~(ix)~~ Write a short note on proteins. ✓
- ~~(x)~~ What is the importance of polymorphism? ✓
- (xi) Explain multicellular plant body and conservation of water.
- (xii) How interstitial fluid is formed?
- ~~(xiii)~~ Give the chemical nature of glycosidic bond. ✓

"Section-C"

Marks: 27

Note: - Answer any three (3) questions. All questions carry equal marks.

Q.3. Explain in detail the life cycle of flowering plant.

Q.4. Describe some common control measures against the transmission of HIV.

Q.5. Describe the properties and roles of acylglycerol, terpenes and phospholipids.

Q.6. (a) Explain biological importance of water.

(05)

(b) Describe the role of Natural Killers (NK) Cells.

(04)