

BIOLOGY Part-I

Time: 20 Minutes Marks: 18

Multiple Choice Questions
01 Mark for each

1-211

Paper Code

A
 B
 C

Roll No. of the Student							
Serial No. Of the Answer Book							

SECTION-A

Notes:

- 1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
- 2) Fill the circle (A)(B)(C)(D), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like
- 3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer.

- I.i. Phytophthora infestans belongs to _____
- A Rhodophyta B Oomycota C Diatoms D Chlorophyta
- ii. A branched raceme is called _____
- A Penicle B Umbel C Capitatum D Corymb
- iii. Selaginella belongs to sub-phylum _____
- A Psilopsida B Lycopsidea C Sphenopsida D Pteropsida
- iv. Special type of vegetation occurs in mangrove.
- A Hydrophytes B Xerophytes C Halophytes D Mesophytes
- v. The largest body of lymphoid tissue in human body is?
- A Heart B Liver C Kidney D Spleen
- vi. In pasteurization milk is heated at 72°C for _____
- A 03 seconds B 10 seconds C 13 seconds D 15 seconds
- vii. Cotton leaf curl caused by begomovirus species are transmitted by.
- A Dragon fly B White fly C Tse-Tse fly D Sand fly
- viii. The symbol ψ w represents?
- A Solute Potential B Water Potential C Pressure Potential D Air Potential
- ix. What is ATPs produced during anaerobic respiration?
- A 108 ATPs B 36 ATPs C 02 ATPs D 38 ATPs
- x. The zoological name of starfish is.
- A Asterias rubens B Thyone briareus C Orphlothrux D Arabica punctularia
- xi. Photosystem II absorb light of _____ nm.
- A 660 B 700 C 680 D 760
- xii. Which of the following is not micronutrient.
- A Na B Ca C K D Mg
- xiii. The optimum PH of pepsin to work.
- A 7.8 - 7.9 B 4.0 - 5.0 C 1.5 - 1.6 D 4.6 - 5.2
- xiv. The PH of gastric juice ranges between.
- A 3-6 B 1-3 C 07 D 7-9
- xv. Keratin protein is found in _____
- A Skin B Muscle cell C Silk fibro D Nails
- xvi. Hypoplasia refers to _____
- A Cyanosis B Right & Left ventricle fail to develop C Right auricle not formed D Left auricle not formed
- xvii. The mammalian spermatozoon having _____
- A Single flagellum B Three flagella C Two flagella D Four flagella
- xviii. Benefits of fever are _____
- A Walling of Iron B Interferon production C Production of WBCs D All of these

BIOLOGY Part-I

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 40

I. Attempt any Ten Parts out of the following. Each Part carries equal marks.

- i. Write a note on centrifugation?
- ii. Write down importance of high specific heat capacity of water for living organism?
- iii. What is feedback inhibition?
- iv. What is photorespiration? Explain its three steps in short words?
- v. Classify viruses on basis of host?
- vi. Discuss importance of bacteria?
- vii. Write note on foraminifera?
- viii. Discuss uses of bryophyta.
- ix. Define heterogamy?
- x. Differentiate b/w haemocoel & coelom?
- xi. What is simplest & Apoplast pathway?
- xii. Give an account on Anorexia nervosa?
- xiii. Explain structural model of antibody?

SECTION "C"

Marks: 27

Note: Attempt any Three questions of the following. Each question carries equal Marks.

- III. (a) Describe life cycle of bacteriophage in detail.
(b) What do you know about vernalization.
- IV. (a) Write note on liver structure & function.
(b) What do you know about ulcer.
- V. (a) What is AIDS? Explain life cycle of HIV in which causative agent is AIDS?
(b) Draw diagram of Flu virus?
- VI. Write note on any two of the following.
(a) Bacterial soft rot disease.
(b) Macrophage
(c) Thallassaemia