

Signature of Supdt.

MRD-XI-13(A) 217

Biology (Part - I)
(New Course)

Roll No.

Fic No. _____

ہال میں موبائل فون لانا بالکل منع ہے

Fic No. _____

Total Time : 3:00 Hrs.

Biology (Part - I)
(New Course)

Total Marks : 85

NOTE : There are THREE sections in this paper i.e. Section A, B and C.

Time : 20 Mins.

"Section - A"

Marks : 18

Note: Use this sheet for this section. No. mark will be awarded for cutting, erasing or over writing.

Q. 1 Write the correct option i.e. A, B, C and D in the empty box provided opposite to each part.

- (i)hormone secretion control the secretion of stomach juice. (i)
(A) Secretin (B) Insulin (C) Gastrin (D) Glucagon
- (ii) Rough endoplasmic reticulum is mainly concerned with the synthesis of (ii)
(A) Lipids (B) Cholesterol (C) Fatty acids (D) Protein
- (iii) Humoral immunity is due to (iii)
(A) B-Lymphocyte (B) T-Lymphocyte (C) K-Lymphocyte (D) P-Lymphocyte
- (iv) The virulent cycle or master-slave relationship is also known as (iv)
(A) Lytic cycle (B) Lysogenic cycle (C) Both (D) None of these
- (v) Natural pace maker is also known as (v)
(A) S.A. node (B) A.V. node (C) Both A + B (D) All of these
- (vi) The extra chromosomal DNA rings in bacteria is called (vi)
(A) Nucleoid (B) Plasmid (C) Pili (D) Mesosome
- (vii) The step of respiration "Glycolysis" takes place in I (vii)
(A) Mitochondria (B) Chloroplast (C) Cytoplasm (D) Grana
- (viii) The late blight of potato is caused by (viii)
(A) Rhizopus stolonifer (B) Phytophthora infestans (C) Salmonella typhi (D) Armillaria ostoyae
- (ix) Dark reaction of photosynthesis takes place in (ix)
(A) Granum (B) Stroma (C) Nucleus (D) Thylakoid
- (x) The increase in thickness of plant is called (x)
(A) Primary growth (B) Secondary growth (C) Tertiary growth (D) Indeterminate growth
- (xi) Which one of the following is not hexose sugar? (xi)
(A) Ribose (B) Glucose (C) Galactose (D) Fructose
- (xii) A five cornered monosaccharide is (xii)
(A) Pyrane (B) Furane (C) Pentose (D) Ribase
- (xiii) Autophagy is linked with which of the following organelle? (xiii)
(A) Ribosome (B) Centrosome (C) Lysosome (D) Peroxisome
- (xiv) One of the following is not an inhibitor. (xiv)
(A) Cyanide (B) Antibodies (C) Drugs (D) Vitamins
- (xv) The water absorbing organs of Bryophytes are (xv)
(A) Roots (B) Rhizophores (C) Rhizoides (D) Rhizome
- (xvi) Tube feet are the locomotory organs of (xvi)
(A) Star fish (B) Jelly fish (C) Carp fish (D) Silver fish
- (xvii) Cuscuta plant exhibit which one of the following mode of nutrition? (xvii)
(A) Saprophytic (B) Parasitic (C) Symbiotic (D) Autotrophic
- (xviii) A comma shaped bacteria is (xviii)
(A) Spirocheata (B) Spirillum (C) Vibrio (D) Atrichous

Biology (Part - I)

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"Section - B"

Time Allowed : 2:40 Hrs.

Total Marks : 1
Marks : 40

Q. 2 Answer any Ten parts. Each part carries equal marks.

- (i) Discuss the Economic importance of yeast.
- (ii) What you mean by water potential?
- (iii) Name different parts of large intestine of humans in their natural sequence.
- (iv) Why the bacteria called Nutrient Recyclers?
- (v) Compare the isomers and stereo isomers of glucose.
- (vi) How evolution of megaphyllous leaf takes place?
- (vii) How pH of a cell affects the enzyme activity?
- (viii) Differentiate between uniparous cyme and biparous cyme.
- (ix) Write a brief status of viruses in classification.
- (x) What do you know about peroxisomes?
- (xi) What are pyrogens? How they affect the hypothalamus?
- (xii) Why the normal value of BP increase in old age?
- (xiii) Describe the salient features of class ascomycota.

"Section - C"

Marks : 27

NOTE : Attempt any Three questions. Each question carries equal marks. Draw neat and labeled diagram where necessary.

Q. 3 Give an account of plant, animal and human diseases.

Q. 4 Write a detail note on structure of Bacteria.

Q. 5 Explain the movement of sugars within plants.

Q. 6 Write short notes on the following.

- i) Mitochondria
- ii) Lymph
- iii) Electro cardiogram

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