

SC7D-11-672-P1

1123 Warning:- Please write your Roll No. in the space provided and sign. Roll No-----  
(Inter Part – I) (Session 2019-21 to 2022-24) Sig. of Student -----

Biology (Objective)

(Group II)

Paper (I)

Time Allowed:- 20 minutes

**PAPER CODE 2468**

Maximum Marks:- 17

**Note:-** You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write **PAPER CODE**, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of Ink Remover or white correcting fluid is not allowed.

**Q. 1**

- 1) An enzyme lowers down the energy of:  
(A) Potential (B) Kinetic (C) Ionic (D) Activation
- 2) Glyoxysomes are most abundant in:  
(A) Plant seedlings (B) Pea (C) Liver cells (D) Bacteria
- 3) The number of capsomers present in Adenovirus is:  
(A) 252 (B) 154 (C) 162 (D) 175
- 4) The study of distribution of animals in nature is called  
(A) Biogeography (B) Paleontology (C) Zoogeography (D) Biodiversity
- 5) Which of the following monosaccharide represent the reducing sugar?  
(A) Starch (B) Fructose (C) Lactose (D) Maltose
- 6) Most wide spread problem for the misuse of antibiotics is:  
(A) Disturbance of metabolism (B) Immunity (C) Increase resistance in pathogens (D) Allergic reaction
- 7) Which of the following does occur for the formation of Acetyl Co A from pyruvate?  
(A) Carboxylation (B) Hydrogenation (C) Decarboxylation (D) Deamination
- 8) Villi and microvilli are present in:  
(A) Large intestine (B) Esophagus (C) Ileum (D) Pharynx
- 9) Lungs are covered by doubled layered thin membranous Sacs called  
(A) Pericardium (B) Pleura (C) Peritoneum (D) Scrotum
- 10) Chordae tendinae are present in:  
(A) Only right atrium (B) Only left ventricle (C) Only right ventricle (D) Both ventricles
- 11) A hormone released by mesophyll cells at high temperature is called:  
(A) Acetic acid (B) Auxins (C) Ethene (D) Absciscic acid
- 12) An outer flexible covering in paramecium is called:  
(A) Pellicle (B) Cell wall (C) Cell membrane (D) Cristae
- 13) Griseofulvin is used to:  
(A) Lower blood cholesterol (B) Relieve migraine (C) Prevent Tissue rejection (D) Inhibit Fungal growth
- 14) The name Nicotiana Tobacum is given to:  
(A) Tobacco (B) Potato (C) Red pepper (D) Tomato
- 15) During development, ectoderm layer gives rise to:  
(A) Muscular system (B) Integumentary system (C) Digestive tract (D) Liver
- 16) Which of the following vertebrate is without Jaw?  
(A) Chondrichthyes (B) Trout (C) Hag fishes (D) Perch
- 17) Chlorophyll absorbs mainly wavelength  
(A) Violet-blue (B) Yellow (C) Green (D) Indigo

**1129A -- 1123 -- 11000 (4)**

SGD-11-672-P2

1123 Warning:- Please, do not write anything on this question paper except your Roll No.  
Biology (Subjective) (Session 2019-21 to 2022-24) Paper (I)

Time Allowed: 2.40 hours (Inter Part - I) (Group II) Maximum Marks: 68

Section ----- I

2. Answer briefly any Eight parts from the followings:-

8 × 2 = 16

- (i) Describe ionization of water. (ii) How inhibitors inhibit enzymes.
- (iii) Why only active site is used in catalysis? (iv) How pH change / alters rate of catalysis?
- (v) What is yeast? (vi) What are various types of spores found in fungi?
- (vii) What are porifers? (viii) Describe mantle?
- (ix) What type of fins are found in bony fishes? Write their function?
- (x) Define placenta? Write two characters of placental mammals.
- (xi) What do you mean by compensation point? (xii) Define anaerobic respiration.

3. Answer briefly any Eight parts from the followings:-

8 × 2 = 16

- (i) Why is it difficult to define life? (ii) Name any four attributes of population.
- (iii) Why Fluid Mosaic Model of cell membrane is widely accepted?
- (iv) Describe Ribosomes structure of function. (v) Kingdom Protista is defined by exclusion why?
- (vi) Why ciliates differ from other protozoan? (vii) How algae differ from plants?
- (viii) Why is Plasmodial Slime mold considered as a model organism. (ix) What is paraphyses?
- (x) Write down the names of four genera of Gymnosperms. (xi) What is bleeding in plants?
- (xii) What is Cooley's Anaemia?

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4. Answer briefly any Six parts from the followings:-

6 × 2 = 12

- (i) Define species. (ii) How cyst is different from spore?
- (iii) How does stomach wall is being prevent from digestion?
- (iv) Differentiate between peristalsis and Antiperistalsis.
- (v) Give name of cells of gastric gland with their secretions.
- (vi) What is photorespiration? Give its products. (vii) What is Asthma? Write down its causes.
- (viii) How does exhalation and inhalation occur in cockroach?
- (ix) In what way respiration in birds is the most efficient?

Section ----- II

Note: Attempt any three questions.

(8 × 3 = 24)

- 5. (a) Discuss briefly phyletic lineage in biological organization.  
(b) Explain pressure flow theory proposed by Ernst Munch in 1930.
- 6. (a) What do you know about the structure of Nucleic Acids?  
(b) Write a comprehensive note on the sexual reproduction in Fungi.
- 7. (a) Discuss growth and reproduction in Bacteria.  
(b) Describe life cycle of an angiospermic plant.
- 8. (a) Describe the infection cycle of HIV?  
(b) What are photosynthetic pigments? Discuss their role in the photosynthesis?
- 9. (a) Discuss Fluid Mosaic Model of Plasma Membrane. (b) Explain Digestion in Cockroach.

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