

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2019
(First Semester)

Branch - BIOCHEMISTRY

GENERAL BIOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 1 = 10)

- 1 *Entamoeba* live in the
 - (i) Intestine of man
 - (ii) Tongue
 - (iii) Nerve cells
 - (iv) Kidney
 - 2 Shark is a
 - (i) Omnivorous
 - (ii) Herbivorous
 - (iii) Carnivorous
 - (iv) All the above
 - 3 What is the unit of linkage map?
 - (i) Morgan
 - (ii) Centi-Morgan
 - (iii) Centimeter
 - (iv) Angstrom
 - 4 Name the phenomenon which can break the occurrence
 - (i) Crossing over
 - (ii) Linkage
 - (iii) Reconstruction
 - (iv) Breakage
 - 5 How many types of blood groups are present?
 - (i) 1
 - (ii) 2
 - (iii) 3
 - (iv) 4
 - 6 Sex linked character are
 - (i) Dominant
 - (ii) Recessive
 - (iii) Lethal
 - (iv) Not inherited
- In bom errors of metabolism are referred as
- (i) Congenital metabolic disease
 - (ii) Inherited metabolic disease
 - (iii) Both (i) & (ii)
 - (iv) None of the above
- Sickle cell is a
- (i) Contagious blood disorder
 - (ii) Blood disorder
 - (iii) Sickled shaped red blood cells
 - (iv) Sickled shaped white blood cells
- ≈ _____ poisoning water in Japan is fishes.
- (i) Bismuth
 - (ii) Arsenic
 - (iii) Antimony
 - (iv) Palladium
- 10 Chloro fluorocarbon is used in
 - (i) Refrigerators
 - (ii) Air Conditioners
 - (iii) Perfumes
 - (iv) All

Cont...

SECTION - B (35 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x7 = 35)

11 a Describe the morphology of Taenia solium.

OR

b Sketch the structure of placoid scales.

12 a Explain about the chromosomes.

OR

b Describe the Turner syndrome.

13 a Bring out the Rh factor.

OR

b Analyze the skin colour in man.

14 a Explain the eugenics.

OR

b Describe the out breeding.

15 a Classify the sources of air pollution.

OR

b How to control the water pollution?

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

16 Write an essay on structure of shark.

17 Describe the chromosomal aberrations.

18 Discuss the colour blindness in man.

19 Write an essay on inborn errors of metabolism.

20 Give an account on pond eco system.

Z-Z-Z

END