

BSc DEGREE EXAMINATION MAY 2017
(First Semester)

Branch- BIOCHEMISTRY

GENERAL BIOLOGY

Time: Three Hours ^

. Maximum: 75 Marks

SECTION-A (20 Marks)

*

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 2 = 20)

- 1 State any four differences between Male and Female Ascaris.
- 2 Write any four adaptations in Taenia solium.
- 3 Centromere.
- 4 Down's syndrome.
- 5 Universal Donor and Universal acceptor blood groups.
- 6 Protanopia.
- 7 Sickle cell anaemia.
- 8 Phenylketonuria.
- 9 Primary consumer and Secondary consumer.
- 10 • Name any two sanctuaries in Tamil Nadu.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Write notes on Water conservation mechanism.
OR
b Give a short account about Wild Life Management.
- 12 a What is Inbreeding? Explain with example.
OR
b What is Out breeding. Explain with example.-
- 13 a Explain the Colour blindness in Man.
OR
b Write an account on Haemophilic condition in man.
- 14 a Explain Turner's syndrome.
OR
b Write briefly about the Klinefelter syndrome.
- 15 a What is the causative organism for Malaria? Write the symptoms of the disease in its control measures.
OR
b Write a neat labeled sketch explain the morphology in Taenia solium.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Describe the Life cycle of Malarial Parasite with diagrams.
- 17 Write a brief account on Chromosomal aberrations.
- 18 Describe the Blood groups in Man.
- 19 • Explain the inborn errors in Man.
- 20 Describe Pond as an ecosystem.