(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 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 (10x2 = 20)

1 Amoebic dysentry.
2 Malaria.
3 Turner's syndrome.
4 Barr-body.
5 Rh-factor.
6 Kappa particles.
7 Inborn errors of metabolism.
8 Eugenics.
9 Air pollutants.
10 Aim of wild life conservation.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

11 a Describe the morphology of *Entamoeba histolytica.*

OR

b Elucidate the structure of *Ascaris lumbricoides.*

12 a Summarize account on heterochromatin and euchromatin.

OR

b Compare and contrast Klinefelter's syndrome and Down's syndrome.

13 a Critically examine colour blindness in man.

OR

b Critically analyze hemophilia in man.

14 a Enlist any two amino acid metabolic errors in man.

OR

b Analyze the term sickle cell anemia.

15 a Pond is an ideal ecosystem-justify.

OR

b List out various effects of water pollution.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

16 Illustrate the sexual phase of life cycle in *plasmodium vivax.*

17 Discuss about chromosomal aberrations with example.

18 Write an account on ABO blood groups inheritance in man.

19 Specify different measures of eugenics.

20 Evaluate possible methods of wild life conservation.

Z-Z-Z END