

(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2017
(Fifth Semester)

Branch - **BIOTECHNOLOGY**

IPR, BIOSAFETY AND BIOETHICS

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 What is a patent?
- 2 Define trade.
- 3 Explain transitional knowledge.
- 4 Write notes on protection of plant varieties.
- 5 Comment of Bt cotton .
- 6 What is recombinant microbes?
- 7 Explain GMO.
- 8 Define vaccines.
- 9 What are biohazards?
- 10 Explain on Biological safety levels.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Write notes on copy rights.
OR
b Explain about patent law.
- 12 a Describe about the benefits of sharing in IPR.
OR
b Explain about Basmati in India.
- 13 a Explain the ethical issues in agriculture.
OR
b Comment on business ethics.
- 14 a What are the ethics followed in biomedical practices?
OR
b Explain about the safety measures to be adapted in laboratories.
- 15 a Write notes on bioterrorism.
OR
b Describe genetic discrimination law.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Discuss on the requirements for biotechnological inventions.
- 17 Give an account on protection of plant varieties.
- 18 Write an essay on controversy regarding transgenies.
- 19 Discuss on the safety in pharmaceuticals.
- 20 Give an account on risks and benefits of Biological Weapons.

Z-Z-Z

END