

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BSc DEGREE EXAMINATION MAY 2019**  
(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 Define TRIPS.
- 2 What is IPP?
- 3 Explain traditional knowledge.
- 4 Write notes on herbal wealth.
- 5 What is Transgenics?
- 6 Define businessethics.
- 7 Define vaccine.
- 8 Explain drugs.
- 9 Comment on biological weapons.
- 10 What are social laws?

**SECTION - B (25 Marks)**

Answer **ALL** Questions

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

- 11 a What are the patent laws?  
OR  
b Describe about copy rights.
- 12 a Write notes on protection of plant varieties.  
OR  
b Describe about biodiversity.
- 13 a Describe about transgenics.  
OR  
b Comment on controversy in Bt brinjal.
- 14 a Write notes on biosafety in laboratories.  
OR  
b Explain about stem cell ethics.
- 15 a Describe right to information.  
OR  
b Write notes on social discrimination laws.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

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

- 16 What are the requirements for biotechnological inventions? Discuss.
- 17 Give an account on turmeric and its case study.
- 18 Write detailed notes on recombinant microorganisms.
- 19 Discuss on genetically modified organisms and its related issues.
- 20 Give an account on risks and benefits of Biotechnology.