

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION MAY 2017  
(Fifth Semester)

Branch -BIOTECHNOLOGY

IPR, BIOSAFETY & BIOETHICS

Time : Three Hours . Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10x2 = 20)

- 1 ; Define Trade Secret.
- 2 What is TRIP?
- 3 ■ Give Examples of Indian Herbal plants.
- 4 What is benefit Sharing? \*
- 5 Explain the Bt Brinjal controversy, issue.
- 6 Define Ethics. \_ \*
- 7 State Vaccines and its types.
- 8 What is field testing?
- 9 What are Bio Hazards?
- 10 Discuss Biosafety levels.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a What constitutes of patent?  
OR  
b Discuss the role of WTO in International trade.
- 12 a Explain about Geographical Indicators.  
OR  
b Describe about Herbal Wealth of India.
- 13 a What are the controversy issues of Bt cotton?  
OR  
b Describe in detail about the Ethical Issues in Agriculture.
- 14 a Give the difference between drugs & Vaccines and explain the drug controversies.  
OR  
b State the Safety rules following in Pharmaceutical Industry.
- 15 a Give an account on the Benefits of Biotechnological products.  
OR  
b What are biosafety Guidelines for Biological Weapons?

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 How to protect the Biotechnological Inventions.
- 17 State the role of plant Breeder's Right in protection of plant varieties.
- 18 Describe the controversy issues in Bt cotton .
- 19 Write short notes on GMO's. \*
- 20 Explain the BioHazards in Biotechnology