

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION DECEMBER 2019  
(Fifth Semester)

Branch - BIOTECHNOLOGY

IRP, 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 Bring out the significance of patenting.
- 3 Name any four geographical indicators in Tamil Nadu.
- 4 How are geographical indicators protected?
- 5 What is bioethics?
- 6 Write a note on transgenics.
- 7 List any four GMOs in India.
- 8 State the disadvantages of *in vitro* fertilization.
- 9 Mention the type of agents used in bioterrorism.
- 10 Comment on biological weapons.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a State patent laws.  
OR  
b Differentiate between copyright and patent.
- 12 a Bring out the need for protection of traditional knowledge.  
OR  
b Neem is a typical example for biopiracy - Justify.
- 13 a Highlight the ethical issues in agriculture.  
OR  
b Bt cotton : to agriculturalists - boon or bane! - Criticize this statement.
- 14 a List out biosafety guidelines associated with biomedical practices.  
OR  
b Enumerate stem cell ethics to be followed in maternity hospitals.
- 15 a Write an account on anthrax.  
OR  
b Highlight right to information act as biohazards among nations.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Analyze the features of WTO.
- 17 Discuss the herbal wealth of India.
- 18 Give a detailed account on business ethics.
- 19 Analyze laboratory associated infections and dry controversies.
- 20 Write an essay on biohazards in Biotechnology.