

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2024
(Sixth Semester)
Branch - BIOTECHNOLOGY

APPLIED BIOTECHNOLOGY AND IPR , BIOETHICS

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 Which of the following is not a component of floriculture industry?
i) Florist trade ii) Flower perfumery
iii) Painting iv) Seeds and bulbs
- 2 A substance intentionally added that preserves flavour and improves taste is called
i) Food additive ii) Food adulterant
iii) Food contaminant iv) Food material
- 3 _____ are a unique kind of primitive, immature cells that have a remarkable capacity to develop into different kinds of cells.
i) Stem cells ii) Epithelial cells
iii) Mesenchymal cells iv) Ectodermal cells
- 4 The bioethics is _____ word.
i) Greek ii) Latin iii) Tamil iv) Urdu
- 5 The patents granted for biological entities and products derived from them are called _____
i) ethics ii) patents iii) bio-patents iv) biosafety

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Explain Agricultural Finance.
OR
b Explain Constraints in establishing agro based industries.
- 7 a Explain Food additives.
OR
b Give detail notes on artificial sweeteners.
- 8 a Write a short note on artificial skin.
OR
b Explain extracorporeal devices.
- 9 a Brief notes on social and ethical issues in Biotechnology.
OR
b What is Bioethics?

Cont...

- 10 a What is a Copyright?
OR
b What is the General Agreement on Tariffs and Trade?

SECTION -C (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks

(5 x 6 = 30)

- 11 a Outline Scope and Importance of Horticulture.
OR
b Describe Cut Flower Production.
- 12 a Describe about Seaweed polysaccharides sources and uses.
OR
b Briefly explain the economic importance of algae.
- 13 a What are Stem Cells? Explain its types.
OR
b Discuss Stem cell in treatment of neurodegenerative diseases.
- 14 a Explain Principles of Business Ethics.
OR
b Describe the Biosafety Regulations and Guidelines.
- 15 a Explain TRIPS.
OR
b Give detail note on good laboratory practice with example.

Z-Z-Z

END