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**BRAINWARE UNIVERSITY**

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398, Ramkrishnapur Road, Barasat
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Term End Examination 2025-2026**Programme – M.Sc.(AG)-Agronomy-2025****Course Name – Intellectual Property and its Management in Agriculture****Course Code - PGS503****(Semester II)****Full Marks : 60****Time : 2:30 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

(i) Define Intellectual Property Rights IPR

- a) Legal rights granted to creators for protection of intellectual creations
- c) Rights applicable only within one country

b) Rights related only to physical property

d) Temporary trade privileges

(ii) Explain the main purpose of the IPR system

- a) To encourage innovation by granting exclusive rights
- c) To restrict public knowledge

b) To eliminate competition

d) To control agricultural inputs

(iii) Describe the historical reason for introducing IPR laws

- a) To protect inventions arising from human intellect
- c) To control population growth

b) To regulate labor markets

d) To manage natural disasters

(iv) Explain the concept of intellectual property

- a) Creations of the mind with commercial value
- c) Natural resources owned by governments

b) Movable assets owned by individuals

d) Traditional farming tools

(v) State the role of IPR in a knowledgebased economy

- a) Promotes innovation and economic development
- c) Discourages research activities

b) Reduces industrial productivity

d) Restricts technology diffusion

(vi) Explain why IPR protection is important for innovators

- a) It provides legal protection against unauthorized use
- c) It increases production costs

b) It prevents scientific publication

d) It limits global trade

(vii) Describe the meaning of TRIPS Agreement

- a) TradeRelated Aspects of Intellectual Property Rights
- b) Trade Regulations in Primary Sectors
- c) Technology Rights in Public Systems
- d) Transnational Rules for Industrial Safety
- (viii) Explain the objective of the TRIPS Agreement
 - a) To harmonize minimum IPR standards globally
 - b) To abolish patent systems
 - c) To replace WTO agreements
 - d) To restrict developing countries
- (ix) Identify the organization responsible for administering TRIPS
 - a) World Trade Organization
 - b) World Health Organization
 - c) Food and Agriculture Organization
 - d) World Intellectual Property Organization
- (x) Explain the need for global IPR harmonization
 - a) To ensure uniform protection standards across countries
 - b) To eliminate national sovereignty
 - c) To restrict innovation
 - d) To prevent knowledge sharing
- (xi) Describe how IPR contributes to international trade
 - a) By protecting traded innovations and technologies
 - b) By restricting exports
 - c) By banning imports
 - d) By reducing market access
- (xii) Explain the relationship between IPR and innovation
 - a) IPR incentivizes innovation through legal protection
 - b) IPR discourages research
 - c) Innovation occurs independently of IPR
 - d) IPR blocks creativity
- (xiii) Describe the term knowledge economy
 - a) An economy driven by information and innovation
 - b) An economy based on manual labor
 - c) An economy dependent only on agriculture
 - d) An economy without intellectual assets
- (xiv) Explain the benefit of securing IPRs
 - a) Provides exclusive commercial rights to inventors
 - b) Eliminates production risks
 - c) Reduces research costs
 - d) Prevents collaboration
- (xv) Describe the role of IPR in technology transfer
 - a) Facilitates safe and legal sharing of technology
 - b) Prevents dissemination of technology
 - c) Stops international collaboration
 - d) Eliminates licensing

Group-B

(Short Answer Type Questions)

2.5 x
6=15

2. Design a system for managing IPR in agricultural research organizations? (2.5)
3. Explain the meaning of TRIPS Agreement? (2.5)
4. Describe the role of WTO in IPR protection? (2.5)
5. Explain the purpose of trademark registration? (2.5)
6. Describe geographical indication with example? (2.5)
7. Design a licensing model for commercialization of public sector agricultural technologies? (2.5)

OR

- Develop a strategy for benefit sharing under biodiversity conventions? (2.5)

Group-C

(Long Answer Type Questions)

5 x 6=30

8. Analyze the role of patents in protecting agricultural innovations in India. (5)
9. Discuss how copyrights contribute to protecting agricultural research publications in India. (5)

10. Analyze the role of trademarks in promoting agricultural products in India. (5)
11. Compare the roles of patents and trademarks in the context of agricultural innovations. (5)
12. Explain the role of copyrights in the protection of agricultural research publications. (5)
13. Create a licensing agreement framework for agricultural biotechnological innovations in India. (5)

OR

Design a model for research collaboration agreements to facilitate agricultural innovations between universities and private companies. (5)

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