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BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Sc.(Ag)-Hons-2024

Course Name – Farming System & Sustainable Agriculture

Course Code - CC-BAG402

(Semester IV)

Full Marks : 50

Time : 2:0 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 20=20

1. Choose the correct alternative from the following :

- (i) Explain the process of harnessing solar energy in the form of economic plant and animal product -
 - a) Farming
 - b) Farming system
 - c) Cropping system
 - d) None of these
- (ii) Explain the farming type where entire production is used for family consumption.
 - a) Subsistence
 - b) Intensive
 - c) Extensive
 - d) mixed farming
- (iii) Explain the farming type where entire production is to sell in market is -
 - a) Subsistence
 - b) commercial
 - c) Extensive
 - d) mixed farming
- (iv) Explain the farming type which refers to the livestock production along with usual cultivated crops -
 - a) Subsistence
 - b) commercial
 - c) Extensive
 - d) mixed farming
- (v) Show the correct option: More area can be brought under cultivation to increase the output is called as _____ cultivation.
 - a) Intensive
 - b) Extensive
 - c) Commercial
 - d) None of those
- (vi) Show the correct option: Sustainable agriculture is derives from _____ word.
 - a) Greek
 - b) Latin
 - c) Italic
 - d) None of those
- (vii) Show the correct option: Agriculture production system comprising a set of farming practices adapted to the requirements of crops, whose farming and soil management techniques protect the soil from erosion and degradation is called as _____.

c) Potato

d) All of these

Group-B

(Short Answer Type Questions)

2.5 x
10=25

2. Explain Crop equivalent Yield. (2.5)
3. Explain Crop water use efficiency. (2.5)
4. Explain the advantages of sustainable agriculture. (2.5)
5. Discuss about carbon sequestration. (2.5)
6. Simplify the term Integrated Farming system. (2.5)
7. Explain the term Ecosystem. (2.5)
8. Explain the term Farming system. (2.5)
9. Explain the term Shifting cultivation. (2.5)
10. Explain the term Land Equivalent Ratio. (2.5)
11. Figure out the different best management practices involved in sustainable agriculture. (2.5)

OR

Explain Natural farming. (2.5)

Group-C

(Long Answer Type Questions)

5 x 1=5

12. Discuss about apiculture. (5)

OR

Discuss about the advantages of IFS. (5)
