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B.Sc. (Hons.) Agriculture (Semester – 3rd)

AGRICULTURAL INFORMATICS

Subject Code: BAGRS1357

Paper ID: [19130126]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a) Define Computer Programming
- b) What is WWW?
- c) What is E-agriculture
- d) What is INTERNET?
- e) What are Features of Power point
- f) What are Geospatial techniques
- g) Give Function of Control unit
- h) Write Components of MS-Office
- i) Give Classification of expert system
- j) Write Difference between RAM and ROM

Section – B

(5 marks each)

- Q2. Write two features of Java and FORTRAN?
- Q3. How smart phone mobile apps useful in agriculture
- Q4. What is GIS? Explain in detail any two uses of GIS.
- Q5. What is Database? What are the advantages of using database?
- Q6. Define software; explain the types of software with example.

Section – C

(10 marks each)

- Q7. Describe the components and application of decision support systems.
- Q8. How to contingent crop planning and crop calendar using IT tools.
- Q9. Discuss characteristics of computer and different types of computer models in agriculture.