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Total No. of Printed Pages: [01]

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B.Sc. (Hons.) Agriculture (Semester – 1st)

FUNDAMENTALS OF AGRONOMY

Subject Code: BAGRS1154

Paper ID: [21130104]

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. Conservation tillage
- b. Soil productivity
- c. Mulching
- d. Seed germinator
- e. Climate
- f. Zero tillage.
- g. Conjunctive use of water.
- h. Effective rainfall
- i. Allelopathy.
- j. **Water use efficiency?**

Section – B

(5 marks each)

- Q2. Differentiate soil tillage and Soil Tilth
- Q3. Write short note on factors affecting of Crop Production
- Q4. Write the classification of herbicide with example
- Q5. Define and classification of irrigation scheduling
- Q6. Discuss about the factors affecting growth and development biology.

Section – C

(10 marks each)

- Q7. What do you mean by biological control of weeds? Write the crieteria for selection of suitable bio-agents. Give two examples of successful biological control measures
- Q8. Define crop rotation and advantages of crop rotation. State the important points to be considered for planning the efficient crop rotation.
- Q9. Explain is the methods of measuring the water requirement for a crop?