Roll No.							Total No. of Pages: 02
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Total No. of Questions: 09

B.Sc. Agriculture (2014 & Onwards) (Sem. – 1) AGRONOMY–I

M Code: 72208 Subject Code: BSAG-101 Paper ID: [72208]

Time: 3 Hrs. Max. Marks: 30

INSTRUCTIONS TO CANDIDATES:

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying ONE mark each.
- 2. SECTION-B contains FIVE questions carrying 2.5 (Two and Half) marks each and students have to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying FIVE marks each and students have to attempt any TWO questions.

SECTION A

- 1. Define the following:
 - a) Agronomy
 - b) Rabi crops
 - c) Mulch
 - d) Minimum tillage
 - e) Soil fertility
 - f) Seed
 - g) Dibbling
 - h) Mixed cropping
 - i) Crop plant
 - j) Harvesting

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SECTION B

- 2. Define the term evolution of agriculture and discuss its role in classification of crops.
- 3. Discuss the role of crop geometry in agronomy and how optimum population plays an important role in crop productivity.
- 4. Differentiate between soil fertility and soil productivity.
- 5. Define the term crop weed competition in crops and discuss how this competition reduced the yield in wheat crop?
- 6. Enlist two important crop rotations of Doaba region having cropping intensity of 200% and 300%.

SECTION C

- 7. Define the term multiple cropping; discuss its advantages and disadvantages in details.
- 8. Enlist the various methods of weed control and discuss the cultural method of weed control in detail.
- 9. Discuss in detail the agronomic practices for the cultivation of spring sown maize.

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