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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Agriculture (2014 &amp; Onwards) (Sem.-1)

**AGRONOMY-I**

Subject Code : BSAG-101

Paper ID : [72208]

Time : 3 Hrs.

Max. Marks : 30

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying ONE mark each.
2. SECTION-B contains FIVE questions carrying 2½ (Two and Half) marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying FIVE marks each and students has to attempt any TWO questions.

**SECTION-A****Q1 Define the followings :**

- a. Weed
- b. Trade
- c. Rainfed farming
- d. Gramineae
- e. Rogue
- f. Seed
- g. Epigeal
- h. Agronomy
- i. Field capacity
- j. Agriculture

### SECTION-B

- Q2 Differentiate between tillage and tilth. Write down principles of tillage.
- Q3 Differentiate soil fertility and soil productivity. How farmers can maintain soil fertility?
- Q4 Differentiate multiple and mixed cropping. Write down advantages of multiple cropping.
- Q5 Define seed bed and write down characteristics of an ideal seed bed.
- Q6 Explain various cultural methods of weed management alongwith suitable examples.

### SECTION-C

- Q7 Discuss how seeding practices vary with variation in soil type, sowing time and soil moisture. Discuss with the help of suitable examples.
- Q8 Differentiate conservation and conventional tillage. Enlist the implements used in these tillage operations. Discuss requirements of minimum tillage.
- Q9 Define green manuring. Enlist green manuring crops. Write down advantages of green manuring.