

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 09

**B.Sc. Agriculture (2014 & Onwards) (Sem.-2)**  
**WATER MANAGEMENT AND MICRO IRRIGATION**  
Subject Code : BSAG-203  
Paper ID : [72358]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

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

- a. Drainage
- b. Effective irrigation
- c. Water harvesting
- d. Supplemental irrigation
- e. Percolation
- f. Crown root initiation
- g. Tensiometer
- h. Rainfed farming
- i. Conjunctive use
- j. Virtual water

### SECTION-B

- Q.2 Define irrigation. Write down objectives of irrigation.
- Q3. Define role watershed management in increasing crop yield of dryland region.
- Q4. Discuss plant water relationships.
- Q5. How irrigation efficiency is measured?
- Q6. Discuss water resources and overtime irrigation development in Punjab.

### SECTION-C

- Q7. Discuss water requirement of major crops. Discuss criteria of scheduling irrigation.
- Q8. What do you mean by Agricultural Drainage?
- Q9. Write down the water management in rice, cotton, maize, kinnow and tomato.