

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Sc. Agriculture (2014 to 2018) (Sem.-2)**  
**WATER MANAGEMENT AND MICRO IRRIGATION**  
**Subject Code : BSAG-203**  
**M.Code : 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

- 1. Write short notes on :**
- (a) Objectives of irrigation
  - (b) Hydrological cycle
  - (c) Surface irrigation
  - (d) Drip irrigation
  - (e) Ground water
  - (f) Criteria for scheduling irrigation
  - (g) Sprinkler irrigation
  - (h) Importance of irrigation
  - (i) Flood irrigation
  - (j) Atmospheric water

### SECTION-B

2. Explain harmful effects of excess irrigation.
3. Describe conjunctive use of water.
4. Write water conveyance efficiency.
5. Explain the rainfall and evaporation pattern in India.
6. Explain water distribution efficiency.

### SECTION-C

7. Describe water management for rice, wheat, maize and cotton crops.
8. Explain critical stages for water need of crops.
9. Explain factors affecting frequency of irrigation.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**