

www.FirstRanker.com

www.FirstRanker.com



Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Agriculture (2014 & Onwards) (Sem.-7) SOIL PHYSICAL AND BIOLOGICAL ENVIRONMENT Subject Code : BSAG-CS-701 M.Code: 74828

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

- itstRanker.com 1. Write short notes on the following :
 - (a) Aggregation
 - (b) Particle density
 - (c) Erosion
 - (d) Soil consistence
 - (e) Redistribution of water
 - (f) Soil micro organism
 - (g) Sulphur transformation in soil
 - (h) Iluviation
 - (i) Soil aeration
 - (j) Soil texture



www.FirstRanker.com

www.FirstRanker.com

SECTION-B

- 2. Discuss infiltration and redistribution of water in soil.
- 3. Discuss in detail the soil thermal regimes of humid and arid regions.
- 4. Explain different processes which affect soil temperature
- 5. Enlist factors of soil formation and discuss role on any one in detail.
- 6. Explain management techniques to check soil erosion.

SECTION-C

- 7. Discuss microbial transformation of carbon and nitrogen in soils.
- 8. Derive mathematically Darcy's law showing movement of water under unsubmerged conditions.
- 9. Classify soil organism and explain their role in soil with reference to plant growth.

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.