

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Agriculture) (2014 to 2018) (Sem.-6)

**CROP RESIDUE MANAGEMENT**

Subject Code : BSAG-601

M.Code : 74344

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS 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 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**

**1. Write short notes on :**

- (a) Rice residues
- (b) Super SMS
- (c) Happy seeder
- (d) Agricultural ecosystem
- (e) C: N ratio
- (f) Smog
- (g) Soil productivity
- (h) Zero tillage
- (i) Biochar
- (j) Paddy decomposer

## SECTION-B

2. Discuss the challenges for diversified use of crop residues.
3. Discuss the significance of crop residue management.
4. Discuss the procedure for mushroom production using rice residues.
5. Discuss the off-site management of crop residues and soil health indicators.
6. Discuss the challenges for diversified use of crop residue in Punjab.

## SECTION-C

7. Define residue management. Discuss different methods of residue management. How residues are decomposed in soil? Write down the amount of gases produced from one tonne.
8. Define conservation agriculture. Discuss the recent technologies for conservation agriculture. Describe the crop residue in relation to agricultural ecosystem and conservation agriculture.
9. Discuss the beneficial effects of crop residue on soil health, social and environment concerns.

**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.**