

Roll No.

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Total No. of Pages : 02

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B.Sc. (Agriculture) (Sem.-6)
CROP RESIDUE MANAGEMENT

Subject Code : BSAG-601

M.Code : 74344

Date of Examination : 13-12-22

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) Immobilization
- (b) Organic matter
- (c) Precision farming
- (d) Environmental pollution
- (e) Mulch
- (f) Happy seeder
- (g) Brown manuring
- (h) C : N ratio
- (i) Soil productivity
- (j) Permanent Bed Planting

SECTION-B

2. Define crop residue management. What is its Significance?
3. Discuss the role of Bio-methanation and Gasification for human-welfare.
4. What is conservation agriculture and discuss its principles?
5. How residues are decomposed in soil? Write down the amount of gases produced from one tonne.
6. Describe Biochar and its use in raising agriculture crops to supplement chemical fertilizers.

SECTION-C

7. (a) Discuss policy options for efficient residue management in Punjab.
(b) Discuss impact of residue management on soil health and describe soil health indicators.
(c) Discuss contribution of Jethro Tull.
8. Define crop residue management. Discuss crop residue in relation to agricultural eco-system and conservation agriculture.
9. Explain different methods of sowing wheat after combined harvested rice. Discuss constraints of using crop residues with conservation agriculture. Describe Green manuring and Green energy.

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.