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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:

- 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.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write short notes on:

- , riappy seeder

 (d) Agricultural ecosystem

 (e) C: N ratio

 f) Smog

) Soil pro¹

 - (h) Zero tillage
 - (i) Biochar
 - (i) 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.

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