

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

Subject Code :BSAG-601

M.Code : 74344

Date of Examination : 01-07-22

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) Happy seeder
- b) Brown manuring
- c) Precision farming
- d) Jethrotull
- e) Super seeder
- f) Permanent Bed Planting
- g) Agricultural ecosystem
- h) Weed hoeing husbandry
- i) Agriculture
- j) Zero tillage.

SECTION-B

2. Discuss recent technology used for conservation agriculture.
3. Relevance of conservation agriculture under changing climatic conditions.
4. Discuss long term impact of rice residue incorporation on soil and crop productivity.
5. Discuss the off-site crop residue management and their benefits. The rice residues can be used as mulch. The PAU, Ludhiana has worked on the use of rice residues as mulch. Discuss the crops in which rice residues can be used as mulch.
6. Discuss the problems of rice residue burning.

SECTION-C

7. Define residue management. How residues are decomposed in soil. Discuss beneficial effects of crop on social and environmental concerns.
8. Discuss crop residue in relation to agricultural eco-system and conservation agriculture. Discuss various challenges for diversified use of crop residues in high intensity areas like Punjab.
9.
 - a) Discuss the policy options for efficient residue management in Punjab. Write down the amount of gases produced from one tonne of rice residue burning.
 - b) Comment on statement that carbon-di-oxide is produced from rice residue burning and rice residue decomposition.
 - c) Discuss significance of crop residue management.

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.