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Total No. of Pages : 02

Total No. of Questions : 09

**B.Voc. (Agriculture) (Sem.–6)**  
**CROP RESIDUE MANAGEMENT**  
Subject Code : BVAG-601-18  
M.Code : 93477  
Date of Examination : 22-05-2023

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) Conventional tillage
- b) Green manuring
- c) Jethrotull
- d) Mulch
- e) C : N ratio
- f) Vermicompost
- g) In-situ incorporation
- h) Oyster mushroom
- i) Biochar
- j) Brown manuring

### SECTION-B

2. Discuss the impact of crop residues on pests.
3. Discuss the role of microbes in rice residues decomposition.
4. Discuss the use of residues as energy source and compost making, separately.
5. Describe the role of NGT and discuss the problems of rice residue burning.
6. Discuss the advantages of crop residue incorporation on crop and soil productivity.

### SECTION-C

7. Define residue management. Discuss the different methods of residue management. Discuss the concept of conservation agriculture and their fulfillment using tillage and crop residue management, efficient cropping systems, water and nutrients management, and integrated pest management.
8. Write down the relevance of conservation agriculture under changing climatic conditions.
  - a) Discuss the impact of conservation agriculture on soil health and crop productivity.
  - b) Discuss the modifications required in combine for residue management.
9. Discuss the various challenges for diversified use of crop residues in high intensity areas like Punjab.

**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.**