

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Agriculture (2014 & Onwards) (Sem.-6)

CROP RESIDUE MANAGEMENT

Subject Code : BSAG-601

Paper ID : [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

Q1. Write short notes on :

- a) Minimum tillage.
- b) Production and productivity.
- c) Cropping intensity.
- d) Conventional tillage.
- e) Mulching.
- f) Biochar.
- g) Brown manuring.
- h) Ergonomics.
- i) Mineralization.
- j) Sustainable agriculture.

SECTION-B

- Q2. Discuss the role of crop residue management in sustainable agriculture development.
- Q3. Discuss the problems of rice residue burning.
- Q4. Discuss the effect of rice residue incorporation on crop yield.
- Q5. Define conservation agriculture. Discuss the recent technology used for managing residues.
- Q6. Discuss the effect of crop residue management for improving soil quality and crop productivity.

SECTION-C

- Q7. Define residue management. Discuss different methods of residue management.
- Q8. Discuss the challenges for diversified use of crop residue in high cropping intensity areas.
- Q9. Discuss the role of crop residue recycling for economic and environmental sustainability.