

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2290071

Roll No.

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## B.TECH

Regular Theory Examination (Odd Sem -VII) 2016-17

### PLASTIC APPLICATION IN AGRICULTURE

*Time : 3 Hours*

*Max. Marks : 100*

Note : Attempt all Sections. If require any missing data; then choose suitably.

#### SECTION - A

1. Attempt all questions in brief. (10×2=20)
- Define rain water harvesting.
  - Define plasticulture.
  - Write about the water management.
  - Define surface drainage.
  - Write about the plastic pipes.
  - Define plastic nursery bags.
  - Define nursery management.
  - Write about plastic cap covers for storage of food grains in open.
  - Define aquacultural engineering.
  - Write the use of plastic in animal husbandry.

## SECTION - B

2. Attempt any three of the following : (3×10=30)
- Define plasticulture and its type. Also write the quality of plastics.
  - Write the uses of plastic pipes for irrigation water management.
  - Write the uses of plastics for animal, shelters and vermin - beds.
  - Write the uses of plastics for nursery management.
  - Write the present status and future prospective of plasticulture.

## SECTION - C

3. Attempt any one part of the following : (10×1=10)
- Write short notes on :
    - Plastic uses in soil and water conservation
    - Plastic film lining in canal.
  - Write the use of plastics in - situ moisture conservation and rain water harvesting.
4. Attempt any one part of the following : (10×1=10)
- Write short notes on :
    - Use of plastic pipes in drip irrigation system.
    - Plastic as a cladding material
  - Write the uses of polymers in control of percolation losses in fields.

5. Attempt any one part of the following : (10×1=10)
- Write the short notes on :
    - Use of plastics in equipment manufacturing.
    - Silage film technique for fodder preservation.
  - Write the human resources development in plasticulture applications.
6. Attempt any one part of the following : (10×1=10)
- Write short notes on :
    - Plastic nets for crop protection.
    - Plastic fencing.
  - Write the use of plastics in drying, preservation and storage of agricultural product.
7. Attempt any one part of the following : (10×1=10)
- Write short notes on :
    - Uses of plastic for wind breaks.
    - Plastic film lining in reservoir.
  - Write about the agencies involved in the promotion of plasticulture in agriculture at national and state level.

