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**M.Tech. (Food Technology) (2018 Batch) (Sem.-2)****NOVEL FOOD PACKAGING****Subject Code : MTFT-523-18****M.Code : 76123****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTIONS TO CANDIDATES :****1. Attempt any FIVE questions out of EIGHT questions.****2. Each question carries TWELVE marks.**

1. What is active packaging? Explain various types of absorbers and emitters used in packaging of various types of foods.
2. Explain various types of antimicrobial packaging systems in foods?
3. Describe types of non-migratory bioactive polymers? Write their applications in different types of foods.
4. Define and classify Time Temperature Indicators (TTIs). How we can maximize the effectiveness of TTIs to monitor shelf life during distribution?
5. What is the difference between Modified Atmospheric Packaging (MAP) and Controlled Atmospheric Storage (CAS)? Which developments have taken place in MAP?
6. Write notes on the following :
  - a) Packaging flavor interactions
  - b) Different packaging materials used in MAP
7. How the problem of plastic waste can be reduced? Which types of packaging materials in foods can be produced to reduce this problem of environmental contamination?
8. Write notes on the following :
  - a) RFIDs
  - b) Recyclability of packaging plastics

**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.**