

**11124 : Elective-II : Packaging Technology : 6 FEPP 05**

P. Pages : 2

Time : Three Hours

**AW - 3255**

Max. Marks : 80

- Notes :
1. Answer **Three** question From Section "A" and **Three** question from Section "B".
  2. Due credit will be given to neatness and adequate dimensions.
  3. Diagrams and Chemicals equations should be given wherever necessary.
  4. Illustrate your answer necessary with the help of neat sketches.
  5. Discuss the reaction, mechanism wherever necessary.
  6. Use of pen Blue/Black ink/refill only for writing the answer book.

**SECTION - A**

1. a) What is the purpose & need of packaging? 7  
b) Explain in detail rigid packaging and give it's significance. 7

**OR**

2. a) What do you mean by packaging? Explain in detail selection criteria of packaging materials. 7  
b) What are the different types of packaging? 7
3. a) How child resistance packaging is beneficial? 6  
b) State importance of reduce, reuse and recycle (3R), regarding waste management. 7

**OR**

4. a) How new product development is done in packaging industry? Give few examples. 7  
b) Write in detail about life cycle assessment mode during selection of packaging material. 6
5. Explain basic package design approach in detail. 13

**OR**

6. Discuss chemical product characteristic like:- 13
  - i) Effect of gases
  - ii) Moisture.
  - iii) Atmospheric gases.

**SECTION - B**

7. a) Explain significance of absorption and diffusion of moisture while selecting material for packaging. 7

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