

Total No. of Questions : 6]

SEAT No. :

P1160

[Total No. of Pages : 2

[4659]-201

B.E. (Printing) (Semester - II)

FLEXIBLE PACKAGING

(2008 Pattern) (Elective - IV (a))

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates :

- 1) *Answers to the two sections should be written separately.*
- 2) *Draw neat diagrams wherever necessary*

SECTION - I

Q1) a) Why Plastics in Packaging. Explain. [10]

b) Explain the role of PET in Packaging. [8]

OR

Write properties and applications of : [18]

- a) HDPE
- b) PS
- c) PP

Q2) Explain in detail Flexo Machine principles for flexible packaging. [16]

OR

Explain in detail unit configuration of a Gravure Press.

Q3) Explain along with diagram Wet lamination techniques. [16]

OR

Explain along with diagram Cast Film Extrusion process.

SECTION - II

Q4) Explain in detail Retort packaging for liquid product. [16]

OR

Explain in detail Aseptic Packaging.

P.T.O.

Q5) Explain in detail pouching techniques for package. **[16]**

OR

Describe in detail making of a lami-tube.

Q6) Explain the packaging methods for dairy products. **[18]**

OR

Mention deterioration factors and packaging techniques for the following :

- a) Tea.
- b) Coffee.
- c) Beer.

