

- Q.21 Give four environmental issues related with plastics packaging. Give any three possible solutions.
- Q.22 Write four factors to be considered, while selecting packaging material for packing fresh food.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 With a neat sketch, give the construction and working of Thermoform fill and seal process.
- Q.24 With a neat sketch, write a note on following processes.
- a) Flexographic Printing
 - b) Laser Printing.
- Q.25 Justify the following statement by giving eight reasons,
- Plastics are our friend not enemies.

No. of Printed Pages : 4
Roll No.

222255A

5th Sem / Plastic Technology

Subject : Plastics Packaging & Printing

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 EPS stands for
 - a) Extruded polystyrene
 - b) Engineering Polystyrene
 - c) Expanded Polystyrene
 - d) All of above
- Q.2 Printing provides
 - a) Enhanced aesthetic appeal
 - b) Protection to packed product
 - c) Information about packed product
 - d) All of above

Q.3 Which of the following material is most commonly used to make single use plastics bottles?

- a) PVC
- b) PET
- c) PP
- d) PC

Q.4 Wafers made by a standard company are packed in

- a) Paper
- b) Single layered plastics material
- c) Plastics Plastics Laminate
- d) Plastics metal laminates

Q.5 Plastics films can be made by

- a) Casting
- b) Extrusion
- c) Calendering
- d) All of above

Q.6 Turmeric powder made by a standard company is packed in

- a) Paper
- b) Single Layer plastics film
- c) Plastics Plastics Laminates
- d) Plastics Metal Laminates

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Expand the term UHMWHDPE

Q.8 Give name of one Polyester based material.

Q.9 PC material is opaque.(T/F)

Q.10 Expand the term BUR.

Q.11 Blown film process gives biaxially oriented Film. (T/F)

Q.12 Dart Impact test is used for Sheets. (T/F)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Write any four characteristics of a packaging material.

Q.14 Write 3R's used with Plastics Packages.

Q.15 Define packaging. Write four functions of Packaging.

Q.16 With a neat sketch, write Straight thermoforming Process.

Q.17 Write any four Plastics materials with two properties of each, which are used in Packaging.

Q.18 What is labeling. Write two benefits of labeling.

Q.19 State four important properties of PVC, as packaging material.

Q.20 Draw neat sketch of four different shaped pads, which are used in Pad printing.