

TED (10)4098

Reg No:

REV 2010

Signature:

Model Question Paper

SIXTH SEMESTER DIPLOMA MODEL EXAMINATION IN POLYMER TECHNOLOGY

PLASTIC PRODUCTS

(Maximum marks: 100)

Time: 3hrs

Part –A

(Maximum marks: 10)

I Answer the following questions in one or two sentences

1. List any four major Plastic Industries.
2. What are the inorganic fillers used in Plastic products?
3. Write name of any four IM products.
4. Classify different types of PVC pipes.
5. What are different types of foam products?

(5x2=10)

Part-B

(Maximum marks: 30)

II Answer any five questions

1. List the factors to be considered while designing a plastic product.
2. List five important blow molded products.
3. Illustrate thermoforming process.
4. Describe the cooling system in calendaring rollers.
5. Describe the process of extrusion.
6. Describe transfer molding.
7. What do you mean by the terms “Inmold decorating”, “flocking”?

(5x6=30)

Part-C

Answer one full question from each unit

UNIT-I

IIIa. Explain a brief history of plastic products. (9)

b. Explain functional and aesthetic design of plastic products. (6)

OR

IV a. Explain the environmental plastic proliferation. (9)

b. Explain frozen in stress condition in product manufacturing. (6)

UNIT-II

V a. Describe the production of Bottle cap. (8)

b. Explain Injection blow molding process. (7)

OR

VI a. Describe the manufacture of PVC chapel. (8)

b. Describe the production of disposable glasses. (7)

UNIT-III

VII a. Describe the production method of PVC pipes. (8)

b. Describe the production of unsupported sheets. (7)

OR

VIII a. Illustrate PVC pipe die with a neat sketch. (8)

b. State the ISI specifications of PVC pipes. (7)

UNIT-IV

IX a. Explain the production of plastic gears. (8)

b. What are the different methods for joining and assembling plastic products? (7)

OR

X a. Explain the decoration of plastic products. (8)

b. Explain the production of PU foam. (7)

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