

- Q.29 What are the advantages and disadvantages of electrical properties?
- Q.30 Write down factors affecting the test result of dielectric strength.
- Q.31 Write short note on dart impact test for films.
- Q.32 How to perform long term burst strength of pipes?
- Q.33 Explain immersion test for plastic materials.
- Q.34 How to perform a weathering test of plastics?
- Q.35 Explain properties of flammability. Explain any of them.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Write short note on
- a) Smoke density
 - b) Burst test of water tank
- Q.37 What is the test method and standard for biodegradable plastics?
- Q.38 Write short note on
- a) Testing of HDPE pipes
 - b) Outdoor weathering test of plastics

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5th Sem. / Plastic Technology

Subject:- Plastic Testing - II

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which is/are represent the thermal property of polymer
- a) MFI
 - b) VST
 - c) HDT
 - d) Both b & c
- Q.2 Which of the following is a non biodegradable polymer?
- a) PHB
 - b) PGA
 - c) LDPE
 - d) PHBV
- Q.3 Identify the biodegradable polymer from the following
- a) PVC
 - b) PP
 - c) PS
 - d) PLA
- Q.4 Nylon 66 is a biodegradable polymer
- a) True
 - b) False
 - c) Can not say
 - d) None of these

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- Q.5 Plastics are _____ in weight.
a) Very heavy b) Light weight
c) Heavy d) None of these
- Q.6 Plastics are good insulator
a) True b) False
c) Cannot Say d) None of these
- Q.7 Plastics are
a) Semi conductor b) Conductor
c) Insulator d) None of these
- Q.8 Crystalline polymers are
a) Transparent b) Opaque
c) Translucent d) None of these
- Q.9 Which of the following optical properties cannot be measured by spectrophotometer
a) Gloss b) Haze
c) Optical distortion d) None of these
- Q.10 Shape of Tensile strength sample
a) Dumbell b) Rectangular
c) Disc d) None of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define biodegradable plastics.

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- Q.12 Define thermoset with example.
- Q.13 Define dissipation factor.
- Q.14 Define gloss.
- Q.15 Define haze.
- Q.16 Define flammability
- Q.17 Define density.
- Q.18 Expand ASTM.
- Q.19 Define volume resistivity.
- Q.20 Expand ESCR.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 How to perform test of films product?
- Q.22 Explain UL90 flammability test of plastic materials.
- Q.23 Explain oxygen index test of plastic material.
- Q.24 What are the chemical properties of plastics? Explain any one of them.
- Q.25 Discuss test procedure of ESCR.
- Q.26 Explain the test of arc resistance.
- Q.27 How to determine dielectric constant of plastic materials?
- Q.28 How to analysis the color measurement of plastics?

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