

- 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
- Smoke density
 - Burst test of water tank
- Q.37 What is the test method and standard for biodegradable plastics?
- Q.38 Write short note on
- Testing of HDPE pipes
 - 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
- MFI
 - VST
 - HDT
 - Both b & c
- Q.2 Which of the following is a non biodegradable polymer?
- PHB
 - PGA
 - LDPE
 - PHBV
- Q.3 Identify the biodegradable polymer from the following
- PVC
 - PP
 - PS
 - PLA
- Q.4 Nylon 66 is a biodegradable polymer
- True
 - False
 - Can not say
 - None of these

- 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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