

- Q.28 Explain plastic waste in road construction.
 - Q.29 How to recover energy as fuel from plastic waste.
 - Q.30 Explain process flow chart by mechanical root.
 - Q.31 Explain waste water recovery by membrane separation.
 - Q.32 What need and importance of plastic reprocessing.
 - Q.33 Write advantages and disadvantages of recycling of plastics.
 - Q.34 How to use mulching in conservation of natural resources.
 - Q.35 Write equipment based sorting techniques of plastic waste.

SECTION-D

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

- Q.36 Explain the following

 - Landfill
 - Incineration

Q.37 Explain the different types of sources of plastic waste in detail.

Q.38 Write short note on

 - Agents for increasing life expectancy of polymers
 - Chemical degradation

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5th Sem / Plastic
Subject:- Plastic Recycling and Waste Management

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Example of natural polymer is/are

 - a) Starch
 - b) Leather
 - c) Cotton
 - d) All of these

Q.2 Degradation of plastic

 - a) Loss of molecular weight
 - b) Breaking of long polymer chain
 - c) Both A&B
 - d) None of these

Q.3 What is the % of Oxygen in atmosphere

 - a) 30%
 - b) 78%
 - c) 21%
 - d) 42%

Q.4 Water vapor is

 - a) Gas
 - b) Rain droplets
 - c) Solid
 - d) liquid

- Q.5 Flame retardant is an example of
a) DIOP b) DOP
c) DEHP d) All of these
- Q.6 Example of biodegradable plastic
a) PVA b) PVC
c) PTFE d) ABS
- Q.7 Manmade plastics are
a) Cotton b) Silk
c) Leather d) PP
- Q.8 Recyclable plastics are
a) ABS b) PP
c) PVC d) All
- Q.9 Acid rain is due to
a) SO₂ b) NO₂
c) Both A & B d) None of these
- Q.10 Types of plastics recycling is/are
a) Primary recycling b) secondary
c) Tertiary d) All of these

SECTION-B

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

- Q.11 Expand ISI.
Q.12 Define incineration.

- Q.13 Define pollution.
Q.14 Define waste management.
Q.15 Define segregation.
Q.16 Example of primary recycling.
Q.17 Write two advantages of recycling
Q.18 Define mulching
Q.19 Define rain water harvesting
Q.20 Define thermal degradation

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 What are the ISI standard regarding limits of chemicals in effluents?
Q.22 What are the demerits of plastic waste?
Q.23 Discuss degradation and their classification. Write any one of them.
Q.24 Discuss plastic waste management and how to aware public regarding hazards caused by plastics.
Q.25 Explain sources of plastics and how to sort them step by step.
Q.26 Explain separation techniques of plastic waste by floatation Method.
Q.27 Write short note on compatibility of plastics over starch.