

- Q.26 What are equipment based sorting techniques?
  - Q.27 Discuss photo-degradation of plastics.
  - Q.28 Write the name of the different additives with their function.
  - Q.29 State difference between natural and synthetic polymer.
  - Q.30 Discuss need and importance of reprocessing.
  - Q.31 Explain different sources of plastic waste.
  - Q.32 Explain Incineration of plastics.
  - Q.33 Write short note on Tsunami Disaster.
  - Q.34 Explain various stages of plastic recycling.
  - Q.35 Explain primary recycling.

## **SECTION-D**

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

- Q.36 Explain various techniques for “Public Awareness” regarding hazards caused by indiscriminate use of plastics.

Q.37 Write short note on :

  - Loading of toxic chemicals from plastic to soil and water.
  - Thermal degradation of plastic wastes.

Q.38 Discuss advantages and disadvantages of recycling.

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**6th Sem / Branch : Plastic Engineering  
Sub. : Pollution control in Plastic Industry/ E & P  
Plast Ind.**

Time : 3Hrs.

M.M. : 100

## **SECTION-A**

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

- Q.1 What is the recycling number of PET?

  - a) 1
  - b) 5
  - c) 4
  - d) 6

Q.2 RE-cycling reduces.

  - a) Energy waste
  - b) Air pollution
  - c) Water pollution
  - d) All of them

Q.3 Full form of MSW is \_\_\_\_\_.

  - a) Multy Sewage Waste
  - b) Multi Screw Working
  - c) Multiple Soild Waste
  - d) Municipal Solid Waste

Q.4 Why do plastics fall under a difficult materials to recycle.

  - a) Because it is very hard material
  - b) Because it is very sticky
  - c) Because of different types of resins
  - d) Because of different size of plastics

- Q.5 Which of the following methods is better for the solid waste problem?  
a) Recycling      b) Land filling  
c) Both A and B      d) None of the above
- Q.6 Process of burning of non bio degradable plastic waste is known as \_\_\_\_\_.  
a) Composting      b) Segregation  
c) Incineration      d) Land filling
- Q.7 Important waste management techniques are:  
a) Disposal      b) Recycling  
c) Landfills      d) None of them
- Q.8 Under which rule of Government, guidelines for solid waste management are followed:  
a) Municipal solid waste rules 2000  
b) Municipal solid waste rules, 2016  
c) Solid waste rules, 2000  
d) Solid waste rules, 2005
- Q.9 How does organic material buried in solid waste decompose?  
a) By action of oxygen  
b) By action of micro organisms  
c) By flow of water  
d) All of them
- Q.10 Which of the following are the largest contributors to global pollution?  
a) Soil pollution  
b) Industrial pollution

- c) Radioactive pollution  
d) Water pollution

### SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Name two major sources of air pollution.  
Q.12 ISI stands for \_\_\_\_\_.  
Q.13 Name different stages of recycling.  
Q.14 Name two agents used in plastics for increasing their service life.  
Q.15 Name two advantages of mulching of films.  
Q.16 Give two examples of chlorinated polymers.  
Q.17 B.O.D. stands for \_\_\_\_\_.  
Q.18 Give examples of two natural polymers.  
Q.19 Name two plastics used in membrane separation.  
Q.20 RIC stands for \_\_\_\_\_.

### SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Explain Environment and its components.  
Q.22 Discuss the causes of ecological imbalance.  
Q.23 Discuss agents used for increasing the life expectancy of plastics.  
Q.24 Explain photo degradation of plastic waste.  
Q.25 Write a short note on Landfill of plastic.