

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain ecological balance & interaction of environment with humans. Also discuss causes of ecological imbalance.
- Q.4 Discuss various agents used for increasing life expectancy of polymers.
- Q.5 Write short note on:
- a) Secondary recycling
 - b) Incineration of plastics
- Q.6 Explain:
- a) Plastics used in rain water harvesting
 - b) Duties & power of state disaster authority
- Q.7 Write short note on:
- a) Loading of toxic chemicals from plastic wastes
 - b) National environment policy.

No. of Printed Pages : 4

Roll No.

122261/032261

6th Sem. / Plastic Tech.

Subject : Pollution Control in Plastic Industry/ EPPI.

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) Define ecology
 - b) What is primary recycling?
 - c) Explain thermal degradation of plastics.
 - d) What are plasticizers?
 - e) Expand B.O.D.
 - f) Define incineration.
 - g) What are basic components of ecosystem?
 - h) Define producers.
 - i) Name two biodegradable polymers.
 - j) What is biotic systems?
 - k) Give recycling number of PP & PE.

- l) Give two hazards caused by plastic materials.
- m) Name two agents used for increasing life expectancy of polymers.
- n) What are landfill?
- o) What is canal lining?
- p) Give two advantages of plastic reprocessing.
- q) Give two examples of flame retardents.
- r) Name two natural & synthetic polymers.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Give benefits of mulching.
 - ii) Explain use of plastics in rain water harvesting.
 - iii) What is tertiary plastic recycling?
 - iv) Give an example of natural and manmade disaster.

- v) Explain photodegradation of polymers.
- vi) How do chlorinated additives in plastic waste affect the properties of soil.
- vii) Discuss factors affecting life expectancy of plastics.
- viii) What are ISI standard regarding limits of chemicals in effluents.
- ix) Why reprocessing of plastics is important?
- x) How we will segregate various plastic wastes.
- xi) Explain membrane separation technique.
- xii) Discuss legal frame work policy of disaster managements.
- xiii) Discuss factors for promoting vulnerability reduction and mitigation.
- xiv) State advantages of plastic waste recycling.
- xv) Write various steps for proper disposal of plastics.