

Q.30 Describe 'reclaiming process'.

Q.31 Explain land fill due to rubber.

Q.32 Discuss life expectancy of different rubbers in environment.

SECTION-D

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

Q.33 Discuss Environmental Impact Assessment due to rubber industry.

Q.34 Discuss:-

- a) Operation of fire fighting equipments
- b) Advantages and disadvantages of recycling.

Q.35 Discuss various size reduction techniques for the reusability and reprocessing of rubbers.

Q.36 Write short note on :-

- a) Thermal degradation
- b) collection of recyclable rubber.

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6th Sem. / Rubber Tech.

Subject : pollution Control In rubber Industry.

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

Q.1 Name major source of Air pollution.

Q.2 _____ is an example of chlorinated additive.

Q.3 Give an example of flame retardent.

Q.4 Expand DOP.

Q.5 _____ is the recycling number of PS.

Q.6 Name two components of environment.

Q.7 Expand HALS.

Q.8 Cracking of rubber surface is due _____ layer.

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Q.9 Temperature of dehydrogenation is around _____°C

Q.10 Chemical formula for normal salt is _____.

SECTION-B

Note: Very Short answer type questions. Attempt any ten parts (10x2=20)

Q.11 What is starch?

Q.12 Define 'Mulching'.

Q.13 Define segregation of rubbers.

Q.14 Explain photo degradation.

Q.15 Give two advantages of recycling.

Q.16 Explain flame retardents.

Q.17 What is land fill.

Q.18 Name two size reduction techniques for reprocessing of rubbers.

Q.19 Define environment.

Q.20 Name two toxic chemicals form rubbers to soils.

Q.21 Give examples of two synthetic rubbers.

Q.22 Define pyrolysis.

SECTION-C

Note: Short answer type questions. Attempt any eight questions. (8x5=40)

Q.23 Discuss the interaction of environment with humans.

Q.24 Describe the compatibility of natural polymers with surroundings

Q.25 Describe hazards due to rubbers.

Q.26 Explain various stages of recycling of rubber wastes.

Q.27 Describe incineration of rubbers.

Q.28 Write short note on water pollution.

Q.29 Discuss occupational health and safety in rubber industry.

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