

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 With a neat sketch, write the process of making bathroom sleepers, using rubber material. Write all steps involved in the process.

Q.24 Why plasticizers, softeners, anti-oxidants and anti-ozonants are used in rubber industry. Give one example of each.

Q.25 With a neat sketch, write two roll mill. write all steps involved during compounding of rubber on two roll mill.

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Roll No.

6th Sem / Plastic Technology

Subject : Rubber Technology

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Vulcanization of rubber leads to

- a) Mixing
- b) Co-polymerization
- c) Cross linking
- d) Blending

Q.2 IR stands for

- a) Inorganic rubber
- b) Iso Prene rubber
- c) Indian rubber
- d) Important rubber.

Q.3 Reinforced rubber is

- a) Natural rubber
- b) Synthetic rubber
- c) Composite Material
- d) None of above

- Q.4 SBR is
- a) Homopolymer b) Co-polymer
 - c) Blend d) Alloy
- Q.5 Which of the following is a visco elastic material?
- a) Steel b) Wood
 - c) Rubber d) Ceramic
- Q.6 Synthetic rubber can be
- a) Injection Molded b) Extruded
 - c) Casted d) All of above

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define reinforced rubber.
- Q.8 Define creep property.
- Q.9 Expand EPDM.
- Q.10 What are per-oxides?
- Q.11 Define fillers.
- Q.12 Define Latex.

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What is ban bury mixer, give its two applications.
- Q.14 What are extenders, why these are used in rubber compounding?
- Q.15 With a neat sketch, define Extruder.
- Q.16 Name and define any two non black fillers which are used in rubber industry.
- Q.17 What is vulcanization of rubber? Write the sulfur vulcanization process of rubber.
- Q.18 Write the importance of rubber in textile industry. Give two examples.
- Q.19 Write the structure of chloroprene rubber. Give its two applications.
- Q.20 Give four differences between natural rubber and synthetic rubber.
- Q.21 Write four applications of silicone rubber.
- Q.22 What is Buna-N rubber? Give its two applications.

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