No. of Printed Pages : 4 Roll No	3934
Rubber Tech	
Subject : Rubber Materials	
Time: 3 Hrs. M.M.:	100
SECTION-A	
Q.1 Rubber latex is obtained bytree.	
Q.2 Give two applications of Butyl Rubber.	
Q.3 Name two superior properties of F chloroprene rubber.	² oly
Q.4 Rubber materials show elastic values only aprocess.	after
Q.5 Explain EPDM.	
Q.6 Name two different types of carbon black fille	er.
Q.7 Which rubber is mainly used in tubes linings?	and
Q.8 Give two applications of TPU.	
	Rubber Tech Subject: Rubber Materials Time: 3 Hrs. M.M.: SECTION-A Note: Objective type questions. All questions compulsory (10x1= Q.1 Rubber latex is obtained by tree. Q.2 Give two applications of Butyl Rubber. Q.3 Name two superior properties of Echloroprene rubber. Q.4 Rubber materials show elastic values only a process. Q.5 Explain EPDM. Q.6 Name two different types of carbon black filled. Q.7 Which rubber is mainly used in tubes linings?

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- Q.9 Butyl rubber is a copolymer of ______.
- Q.10 Expand TMTD.

SECTION-B

Note: Very short answer type questions. Attempt any ten questions out of twelve questions. (10x2=20)

- Q.11 Define elasticity.
- Q.12 Give two applications of polyisoprene rubber.
- Q.13 Give two properties of silicone rubber
- Q.14 Define latex.
- Q.15 Define vulcanization process.
- Q.16 Define rubber smoke sheet.
- Q.17 What is ADS?
- Q.18 Give two applications of Polysulphide rubber
- Q.19 Name various di-isocynates used in Polyurethane preparation.
- Q.20 Define coagulation of latex.
- Q.21 Name two fluoro-elastomers.

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Q.22 What is the fractional ratio of mixing of NR for mixing rubber in two-roll mill.

SECTION-C

- **Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)
- Q.23 Discuss properties and applications of silicone elastomers.
- Q.24 Give preparation and properties of Nitrile rubber.
- Q.25 What is synthetic polyisoprene? How it differs from its natural rubber component.
- Q.26 Discuss Ethyl-vinyl Acetate copolymers.
- Q.27 Explain Conversion of latex into dry rubber.
- Q.28 Discuss the effect of structure on processing properties of elastomers.
- Q.29 Give preparation, properties and applications of Ethylene Propylene Rubber.
- Q.30 Discuss SBS & SIS Block copolymers.
- Q.31 Give Properties and applications of Thermoplastic Polyurethane elastomers.
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