

**D.A.V. PUBLIC SCHOOL, NEW PANVEL**



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**2013-2014**

**Subject: Chemistry**

**Std- XII / Sec.:**

**Worksheet : 1**

**POLYMERS**

**1 MARK QUESTIONS**

1. What are polymers?
2. What do you mean by the term polyamides?
3. Give examples of semisynthetic polymers?
4. What are copolymers?
5. What are elastomers?
6. What are biodegradable polymers?
7. Mention one use of Buna-S.
8. Name the monomers of natural rubber.
9. Name the polymer used for making unbreakable crockery.
10. Name the polymer which is used for making non- stick utensils.

**2 MARKS QUESTIONS**

11. What is meant by polymerization? What type of polymer is Teflon and what is its chief use?
12. Give the classification of polymers based on molecular forces.
13. Give the classification of polymers based on structure.
14. Arrange the following polymers in the increasing order of their intermolecular forces. Also classify them as addition and condensation polymers: Nylon-6 , Neoprene , PVC.
15. Why do the densities of low density polythene and high density polythene differ?
16. Could a copolymer be formed in both addition and condensation polymerization or not? Explain with examples.
17. What is vulcanization of rubber?
18. Give three differences between linear polymers and branched- chain.