Engineering Chemistry
WorkSheet
Unit 4:POLYMERS

1. _____ is an example of narturally occurring biodegradable polymers
2. Reinforcement of plastic matrix with fibre materials produces_____
3. _____ is used for making tyres
4. _____ plastics can be reclaimed from waste
5. PVC is produced by_____ polymerisation
6. The monomers of Nylon6,6 is _____
7. _____ is a conducting polymer
8. _____ is a example of fibre reinforced plastic
9. The polymerization in which same type of monomers take part_____.
10. _____ is a chiral biodegradable polymer.
11. A homo polymer consists of identical monomer units. T/F
12. The product of polymerization is known as resin T/F
13. Styrene rubber is used for making tyres T/F
14. A conducting polymer is conjugate pi electrons T/F
15. vinyl chloride in presence of benzoyl peroxides produces polysterene T/F
16. The plastic resin which becomes soft on heating and rigid on cooling is called
    a) Thermoelastic
    b) Thermoplastic
    c) Thermite
    d) Thermosetting
17. Which of the following is an elastomer
    a) PVC
    b) Nylon
    c) Polysterene
    d) Butyl Rubber
18. A thermoplastic resin is formed by the phenomenon of
    a) Chlorination
    b) Condensation Polymerisation
    c) Thermitte
    d) Addition Polymerisation
19. The least functionality of a monomer to convert polymer
    a) 1
    b) 3
    c) 2
    d) 6
20. If the arrangement of functional groups on carbon is alternating, it is called
    a) Isotactic
    b) Syndiotactic
    c) Atactic
    d) Tacticity
21. The structural unit of a polymers are
    a) Fibres
    b) Monomers
    c) Fabrics
    d) Thermos Units
22. Which of the following is not a macromolecule
    a) Cellulose
    b) Rubber

c) Protein
d) Wood

23. Styrene butadiene rubber is produced by using one of the catalyst
a) Mg
b) Al
c) Peroxide
d) Na

24. A plastic resin which becomes soft on heating and rigid on cooling
a) Thermo elastic
b) Thermo plastic
c) Thermitte
d) Thermosetting

25. The polymerization in which two or more chemically different monomers take part is called
a) Co-Polymerisation
b) Chain Polymerisation
c) Addition Polymerisation
d) Homo Polymerisation

1. MATCH THE FOLLOWING

1. Bakelite	a. Thermoplastic
2. 2.PVC	b. Elastomer
3. Buna-S	c. Thermosetting
4. Nylon-6,6	d. Polylactic acid
5. biodegradable polymer	e. Polyamide