

TOPIC : POLYMERS II. CHEMISTRY IN EVERYDAY LIFE

- Polymer formation from monomers starts by
 - condensation reaction between monomers
 - coordination reaction between monomers
 - conversion of monomer to monomer ions by protons
 - hydrolysis of monomers
- Nylon threads are made of
 - polyvinyl polymer
 - polyester polymer
 - polyamide polymer
 - polyethylene polymer
- Which of the following is a polyamide ?
 - Bakelite
 - Terylene
 - Nylon 66
 - Teflon
- Which of the following is fully fluorinated polymer ?
 - PVC
 - Thiokol
 - Teflon
 - Neoprene
- Which among the following is crossed linked polymer ?
 - Amylopectin
 - Melamine formaldehyde resin
 - Glycogens
 - Polyesters
- Which of the following is an elastomer ?
 - Vulcanized rubber
 - Decron
 - Polystyrene
 - Malamine
- Bakelite is an example of
 - Elastomer
 - Fibre
 - Thermoplastic
 - Thermosetting polymer
- Dacron is an example of
 - Elastomer
 - Fibre
 - Thermoplastic
 - Thermosetting polymer
- Nylon-66 is obtained by condensation polymerization of
 - Adipic acid and hexamethylene diamine
 - Phenol and formaldehyde
 - Terephthalic acid and ethylene glycol
 - Sebacic acid and hexamethylene diamine
- The monomer of PMMA is
 - Methyl methacrylate
 - Ethyl acrylate
 - Acrylonitrile
 - Methyl acrylate
- the monomer of Acrilan is
 - Methyl methacrylate
 - Ethyl acrylate
 - Acrylonitrile
 - Methyl acrylate
- Which pair of polymers have similar properties ?
 - PAN, PTEE
 - PCTEE, PTFE
 - Nylon, PVC
 - Bakelite, Alkyd resin
- Which of the following is a natural polymer ?
 - Polythene
 - Polysaccharides
 - Nylon
 - Terylene
- Which of the following type of forces are present in Nylong-66 ?
 - Van der Waal's forces of attraction
 - Hydrogen bonding
 - Three dimensional network of bonds
 - None of these
- Which among the following is a step-growth polymer ?
 - PTFE
 - PVC
 - Polyester
 - Polythene
- Terylene is produced by reaction of ethylene glycol and
 - Phthalic acid
 - Terephthalic acid
 - Metaphthalic acid
 - All of the above
- Glyptal is a polymer of ethylene glycol and
 - Phthalic acid
 - Terephthalic acid
 - Metaphthalic acid
 - Adipic acid
- The process of vulcanization of rubber makes it
 - Hard
 - Soft
 - Less elastic
 - None of these

19. Caprolactam is obtained from
 - (a) Cyclohexane
 - (b) Hexane
 - (c) Adipic acid
 - (d) Adipic acid and hexamethylene diamine
20. The monomer of neoprene is
 - (a) Butadiene
 - (b) Chloroprene
 - (c) Isoprene
 - (d) 2-methyl 1, 3-butadiene
21. For natural polymers PD_i is generally
 - (a) 0
 - (b) 1
 - (c) 100
 - (d) 1000
22. Which of the following is intermediate in preparation of Nylon-6 ?
 - (a) Cyclohexane
 - (b) Cyclohexanone oxime
 - (c) Caprolactam
 - (d) Adipic acid and hexamethylene diamine
23. Teflon is an example of polymer which is a/an
 - (a) polyamide
 - (b) addition polymer
 - (c) polyester
 - (d) formaldehyde resin
24. Perlon is another name of
 - (a) Nylon-66
 - (b) Nylon-6
 - (c) Nylon-610
 - (d) Nylon-44
25. Which of the following has an ester linkage ?
 - (a) Nylon-66
 - (b) Decron
 - (c) Nylon-610
 - (d) Bakelite
26. Aspirin is an
 - (a) Antipyretic
 - (b) Antiseptic
 - (c) Antimalarial
 - (d) Narcotic
27. The compound extracted from the plant Rauwolfia serpentina is
 - (a) Aspirin
 - (b) Bithional
 - (c) Quinine
 - (d) Reserpine
28. To which class of dyes does Martius yellow belong?
 - (a) Azo dyes
 - (b) Nitro dyes
 - (c) Phthalein dyes
 - (d) Indigoid dyes
29. Penicillin is a/an
 - (a) Antibiotic
 - (b) Antipyretic
 - (c) Hormone
 - (d) Vitamin
30. The compounds which possess general depressant action on the central nervous system are called
 - (a) Sedatives
 - (b) Tranquillizers
 - (c) Narcotics
 - (d) Anaesthetics
31. The drug used for treatment of typhoid is
 - (a) Chloromycetin
 - (b) Novalgin
 - (c) Paracetamol
 - (d) Quinine
32. What type of propellant was used in SLV-3 ?
 - (a) UDMH + Liquid N_2O_4
 - (b) MMH + Liquid N_2O_4
 - (c) Composite solid propellant
 - (d) Kerosene + Liquid O_2
33. Which of the following groups is an auxochrome ?
 - (a) $-NO_2$
 - (b) $-NO$
 - (c) $-N=N-$
 - (d) $-OH$
34. Which of the following term means pain killing ?
 - (a) Antibiotic
 - (b) Analgesic
 - (c) Antipyretic
 - (d) Penicillin
35. Which of the following is a hypnotic drug ?
 - (a) Catechol
 - (b) Luminal
 - (c) Phenol
 - (d) Salol
36. Streptomycin is an example of
 - (a) Antibiotic
 - (b) Analgesic
 - (c) Antipyretic
 - (d) Anaesthetic
37. Chloroxylenol is an important compound of
 - (a) Soap
 - (b) Antibiotics
 - (c) Dettol
 - (d) Pain killing ointments
38. Which of the following are derivatives of barbituric acid
 - (a) Bithional
 - (b) Seconal
 - (c) Heroin
 - (d) Equanil
39. Which of the following is a polyamide ?
 - (a) Nylon
 - (b) Orlon
 - (c) Teflon
 - (d) Terelene
40. Plexiglass is a polymer of
 - (a) Acrylic acid
 - (b) Methyl acrylate
 - (c) Methyl methacrylate
 - (d) Methyl propacrylate

41. Glyptal polymer is obtained from glycerol on reacting with
 (a) Malonic acid (b) Phthalic acid
 (c) Maleic acid (d) Acetic acid
42. Paracetamol is
 (a) Both antipyretic and analgesic
 (b) Analgesic
 (c) Antipyretic
 (d) Antimalarial
43. Indigo belongs to the class of
 (a) Mordant dyes (b) Vat dye
 (c) Direct dye (d) Disperse dye
44. Teflon, styron and neoprene are all
 (a) Co-polymers (b) Condensation polymer
 (c) Homopolymers (d) Monomers
45. Polymer used in bullet proof glass is
 (a) PMMA (b) Lexene
 (c) Nomex (d) Kevlar
46. Which one of the following is a protein fibre ?
 (a) Polyester (b) Cotton
 (c) Silk (d) Rayon
47. 1% solution of phenol is used as a
 (a) Antiseptic (b) Disinfectant
 (c) Both of the above (d) None of these
48. Which of the following is not a tranquilizer ?
 (a) Barbituric acid (b) Seconal
 (c) Luminal (d) Phenacetin
49. 'Small pox vaccine' contains
 (a) Chemical medicines
 (b) Immunoglobuline
 (c) Killed micro-organism
 (d) Living micro-organism
50. Which of the following drugs combination of not correct ?
 (a) Biothional – Tranquilizer
 (b) Chloramphenicol – Broad spectrum antibiotics
 (c) Equanil – Sedative
 (d) Phenacetin – Antipyretic

ANSWER KEY

1	A	11	C	21	B	31	A	41	D
2	C	12	B	22	C	32	C	42	A
3	C	13	B	23	B	33	D	43	B
4	C	14	B	24	B	34	B	44	C
5	B	15	C	25	B	35	B	45	B
6	A	16	B	26	A	36	A	46	C
7	D	17	A	27	D	37	C	47	B
8	B	18	A	28	B	38	B	48	D
9	A	19	A	29	A	39	A	49	C
10	A	20	D	30	C	40	C	50	A