201. Which process involves the formation of polystyrene from styrene?#Polymerisation#Racemization#Condensation#Reversible reaction

202. Which among the following is a synthetic polymer?#Proteins#Polysaccharides#Natural rubber#Phenol-formaldehyde resin

203. PVC is prepared by the polymerization of #Ethylene#1-chloropropene#Propene#1-chloroethene

204. In the natural rubber, the isoprene units are joined in#Head to heat manner#Tail to tail manner#Head to tail manner#Random manner

205. Nylon is a#Polysaccharide#Polyester#Polyamide#All of these

206. Which type of polymer is bakelite?#Addition polymer#Homopolymer#Condensation polymer#Biopolymer

207. Which of the following is not a polymer?#Teflon#Petroleum#Cellulose#Natural rubber

208. Which is not an example of homopolymer out of the following?#PVC#SBR#Orlon#Teflon

209. Which of the following is a biodegradable polymer?#Cellulose#Polythene#Polyvinyl chloride#Nylon-6

210. The monomers used for the preparation of nylon 2-nylon 6 is/are#Caprolactam#Alanine and amino caproric acid#Glycine and amino caproic acid#Hexamethylenediamine and adipic acid

211. Nylon 6,6 is not a#Condensation polymer#Polyamide#Homopolymer#Copolymer

212. The polymer containing strong intermolecular forces e.g. hydrogen bonding, is #Teflon #Nylon-66#Polystyrene#Natural rubber

213. The strongest molecular forces are present in#Elastomers#Thermoplastics#Fibres #thermosetting polymers

214. The monomers of Buna-S rubber are#Vinyl chloride and sulphur#Butadiene#Styrene and butadiene#Isoprene and butadiene

215. Which of the following statements is not true?#Natural silk is a protein#PDI for natural polymers is greater than one#Polyurethane foams are used for making pillows#HDPE is prepared by Ziegler-Natta polymerisation

216. Bakelite is a product of the reaction between #Formaldehyde and NaOH#Aniline and urea#Phenol and methanol#Phenol and chloroform

217. Toluene di-isocyanate is used to prepare:#Polyesters#Polyamides#Polycarbonates#Polyurethanes

218. Which polymer is used in controlled drugs capsules?#SBR#PTFE#PHBV#PAN

219. Which one of the following is not correctly matched?#<img src=”219\_A1.gif”>#<img src=”219\_A2.gif”>#<img src=”219\_A3.gif”>#<img src=”219\_A4.gif”>

220. Amongst the following the branched chain polymer is #Polystyrene#Low density polythene#High density polythene#Polyester

221. CF<sub>2</sub>=CF<sub>2</sub> is a monomer of#Polystyrene#Bakelite #Glyptal#Teflon

222. The monomer units of PTFE are:#Cl<sub>2</sub> CH—CH<sub>3</sub>#F<sub>2</sub> C=CF<sub>2</sub>#F<sub>3</sub> C—CF<sub>3</sub>#FClC=CF<sub>2</sub>

223. Bakelite is an example of#Elastomer#Fibre#Thermoplastic#Thermosetting polymer

224. The monomer of PVC is#Ethane#Chloroethene#Dichloroethene#Tetra chloroethene

225. The monomers of terylene are#Phenol and formaldehyde#Ethylene glycol and phthalic acid#Adipic acid and hexamethylenediamine#Ethylene glycol and terephthalic acid

226. A copolymer of vinyl chloride and vinyl acetate is called:#Vinylon#Saran#Dynel#Orlon

227. Which one of the following statements is not true?#Natural rubber has the trans-configuration at every double bond#Buna-S is a copolymer of butadiene and styrene#Natural rubber is a 1,4-polymer of isoprene#In vulcanization, the formation of sulphur bridges between different chains make rubber harder and stronger

228. PMMA is the polymer of:#Methylmethacrylate#Methylacrylate #Methacrylate #Ethylacrylate

229. Polyethylene is #Random copolymer#Homopolymer#Alternate copolymer#Cross-linked copolymer

230. Which of the following is not a fibre?#Terylene#Nylons #Polyacrylonitrile#Polychloroprene

231. Which of the following is not a biopolymer?#Proteins#Rubber#Cellulose#RNA

232. Which of the following polymers does not involve cross-linkages?#Vulcanized rubber#Melamine#Bakelite#Polystyrene

233. Natural rubber is not used in making footwear for polar regions because#Natural rubber becomes soft at temperature lower than10°C.#Natural rubber becomes brittle at temperature lower than10°C.#Natural rubber melts at temperature lower than 10°C.#Natural rubber becomes stronger at temperature lower than 10°C.

234. The intermediate never form during chain growth polymerization is#<img src=”234\_A1.gif”> #<img src=”234\_A2.gif”> #<img src=”234\_A3.gif”>#<img src=”234\_A4.gif”>

235. The number average molecular mass and mass average molecular mass of a polymer are respectively 30,000 and 40,000. The poly dispersity index of the polymer is #<1#>1#1#0

236. Among the following, a natural polymer is #Cellulose#PVC#Polyethylene#Teflon

237. Natural rubber is a polymer of #Styrene #Isoprene#Ethylene#Butadiene

238. Nylon-6, 6 is obtained by condensation polymerization of #Adipic acid and hexamethylenediamine #Phenol and formaldehyde#Terephthalic acid and ethylene glycol#Sebacic acid and hexamethylene

239. Teflon, polystyrene and neoprene are all:#Copolymers#Condensation polymers#Homopolymers#Monomers

240. The best way to prepare polyisobutylene is#Coordination polymerization#Cationic polymerization #Anionic polymerization #Free radical polymerization

241. The compound that inhibits the growth of polymer chain during vinyl polymerization, is#Carbon tetrachloride#p-benzoquinone#Benzophenone#Carbon dioxide

242. Synthetic rubber is #Polyisoprene#Polychloroprene#Polyethene#Polyesters

243. Which of the following is not a synthetic polymer?#Polyisoprene #Polybutadiene#Polythleneterephthalate#Polyethylene

244. Nylon-6, 10 is a polymer of:#Hexamethylene and adipic acid#Hexamethylene and sebacic acid#Caprolactam#None of the above

245. Buna –N is a polymer of #Butadiene and isoprene#Butadiene and acrylonitrile#Isoprene and ethylene diamine#Isoprene and butyl diamine

246. Which among the following is a chain-growth polymer?#Nylon#Barkelite#Terylene#Teflon

247. Lactam from which nylon-4 is synthesised, is#<img src=”247\_A1.gif”> #<img src=”247\_A2.gif”> #<img src=”247\_A3.gif”>#<img src=”247\_A4.gif”>

248. Nylon threads are made up#Polyvinyl polymer#Polyester polymer#Polyamide polymer#Polyethylene polymer

249. Thermosets are:#Cross-linked polymers#Don’t melt or soften on heating#Cross-linking is usually developed at the time of moulding where they harden reversibly#All of the above

250. When two or more chemically different monomers take part in polymerization, it is called#Addition polymerization#Copolymerization#Chain polymerization#Homopolymerisation

251. In which of the following polymers, empirical formula resembles with monomer?#Bakelite#Teflon#Nylon-6,6#Dacron

252. A copolymer is obtained by polymerisation of:#One type of monomer units#More than one type of monomer units#Either of the above#None of the above

253. When condensation product of hexamethylenediamine and adipic acid is heated to 353 K(80°C) in an atmosphere of nitrogen for about 4-5h,the product obtained is #Solid polymer of nylon 66#Liquid polymer of nylon 66#Gaseous polymer of nylon 66#Liquid polymer of nylon66

254. Dacron is polymer is #Glycol and formaldehyde #Glycol and phenol#Glycol and phthalic acid#Glycol and terephthalic acid

255. Which of the following is not an example of addition polymer?#Terylene#Polypropylene#Polyethylene#Polystyrene

256. Example of addition polymer is:#Buna-S #Bakelite#Nylon-6#Malamac

257. Natural fibre is:#Starch #Cellulose#Rubber#Nylon-6

258. Select the correct statement.#Vinyon is a copolymer of vinyl chloride and vinyl acetate#Saran is a copolymer of vinyl chloride and vinylidine chloride#Butyl rubber is a copolymer of isobutylene and isoprene#All of the above are correct