

ECAT Chemistry Chapter 25 Macromolecules

Sr	Questions	Answers Choice
1	Which of the following is a steroid	A. Vitamin A B. Vitamin B C. Vitamin C D. Vitamin D
2	A fat or oil is characterised for extent of unsaturation by one of the following number, which one	A. Rancidity number B. Acid number C. Iodine number D. Saponification number
3	The steroids of fungi and yeast are called:	A. Vitamin D B. Vitamin D ₂ C. Ergosterol D. Cholesterol
4	Which test is not given by both glucose and fructose	A. Give yellow ppt of CHI_3 with alkaline aqueous iodine B. With 2, 4-DNPH give yellow ppt of hydrazone C. Evolve H_2 gas with Na metal D. Oxidised with $[\text{Ag}(\text{NH}_3)_2]^+$ i.e. Tollen's reagent
5	Iodine value of an oil or fat may be defined as	A. The number of grams of iodine taken up by 1 g of the oil or fat B. The number of grams of iodine taken by 10 g of the oil or fat C. The number of grams of iodine taken by 100 g of the oil or fat D. None of the above
6	RNA is a polymer of nucleotide which consist of three components. Which one is not the component in the nucleotide of an RNA	A. D-Ribose B. Uracil base C. Phosphate group D. Thymine base
7	Simple sugars are :	A. Monosaccharides B. Disaccharides C. Oligo saccharides D. Trisaccharides
8	The other name of cross linked polymers is	A. Linear polymer B. Branched polymer C. Inter connected polymers D. None of these
9	An example of water soluble vitamin is	A. Vitamin D B. Vitamin E C. Vitamin A D. Vitamin C
10	A polymeric substance that is formed in the liquid state and then hardened to a rigid solid is called a:	A. Fiber B. Plastic C. Varnish D. Polyamide resin
11	The polymers which can not be re-softened again and again are called	A. Thermoplastic B. Thermosetting C. Both a and b D. None
12	Glycine at pH7 has the structure	A. $\text{H}_2\text{N}-\text{CH}_2-\text{COOH}$ B. $\text{H}_3\text{N}^+-\text{CH}_2-\text{COOH}$ C. $\text{H}_2\text{N}-\text{CH}_2-\text{COO}^-$ D. $\text{H}_3\text{N}^+-\text{CH}_2-\text{COO}^-$

13	An oil or fat with no double bond have iodine number:	B. 100% C. 50% D. Minimum
14	The degree of unsaturation in fats or oils is usually measured by numbers of grams of iodine required by 100 grmas of fat, this is called	A. Oil number B. Saturation number C. Iodine number D. Un saturation number
15	Which of these polymers is a synthetic polymer	A. Animal fat B. Starch C. Cellulose D. Polyester
16	A nucleoside may be	A. Ribonucleoside B. Deoxyribonucleoside C. Both a and b D. None
17	Which of the following is not an example of addition polymer?	A. Polyethene B. Polystyrene C. Neoprene D. Terylene
18	Cellulose does:	A. Satisfy human appetite B. Stimulates intestinal peristalsis C. Gives fibre and bulk to the food D. All of these
19	Which of the following has ester linkage?	A. Nylon B. Bakelite C. Terylene D. PVC
20	Ricket is caused due to the deficiency of vitamin	A. A B. D C. B D. E