

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	d-block elements belong to groups	A. I-A & II-A B. III-A to VIII-A C. I-B to X-B D. Lanthanides
2	Replacement of hydrogen atom by - SO <sub>3</sub> H group in benzene is called	A. Nitration B. Alkylation C. Sulphonation D. Acylation
3	Alcohol fermentation is brought about by the action of	A. CO <sub>2</sub> B. O <sub>2</sub> C. Invertase D. Yeast
4	A fuel has the same knocking property as a mixture of 70 isooctane (2, 2, 4- trimethyl pentane) and 30% n-heptane by volume the octane number of the fuel is	A. 100 B. 70 C. 50 D. 40
5	Ionic Solids are characterized by	A. Low melting points B. Good conductivity in solid state C. High vapour pressure D. Solubility in polar solvents
6	The coordination number of iron in [Fe(H <sub>2</sub> O) <sub>6</sub> ] <sup>3+</sup> is	A. 2 B. 3 C. 4 D. 6
7	Carbon monoxide is pollutant as it	A. Inactivates nerves B. Inhibits glycolysis C. Combines with oxygen D. Combines with hemoglobin
8	The mass of sulphur which combines with 24 grams oxygen to form SO <sub>2</sub>	A. 32 gram B. 24 gram C. 8 gram D. 12 gram
9	Which behaves as insulator for animals body?	A. Carbohydrates B. Proteins C. Fats D. skin
10	Which is used as test for the presence of alkenes	A. Reaction of cold dilute alkaline KMnO <sub>4</sub> B. Combustion C. Polymerization D. Catalytic hydrogenation
11	Soil salinity can be measured by	A. Calorimeter B. Potometer C. Porometer D. Conductivity meter
12	Question Image 	A. Pressure change B. Temperature change C. Concentration change D. Catalyst
13	Hydrolysis of protein by 6M HCl gives peptides and then α-amino acids. How many α-amino acids molecules are obtained on the hydrolysis of a tetrapeptide	A. 2 B. 3 C. 4 D. 5
14	In Tolten's test, the end product is _____ formed	A. White ppt B. Red ppt C. Yellow ppt D. Silver mirror
15	Who one mole of each of the following is completely burned in oxygen, which gives the largest mass of carbon dioxide?	A. Carbon monoxide B. Diamond C. Ethane D. ...

D. Methane

16 Hydrocarbons are organic compounds which contain elements such as

- A. Hydrogen
- B. Carbon
- C. Hydrogen and carbon
- D. Halogens

17 Alkanes normally have \_\_\_\_\_ hybridization

- A. Sp
- B.  $Sp^{2}$
- C.  $Sp^{3}$
- D.  $d\ sp^{3}$

18 Scientist(s) made contributions in the field designing a periodic table

- A. Newland
- B. Dobriener
- C. Mendeleev & Mosley
- D. All of these

19 During the preparation of alkanes the hydrogenation of alkenes or alkynes the catalyst may be

- A.  $H_2SO_4$
- B. Ni
- C.  $Fe_2O_3$
- D.  $Al_2O_3$

20 A reaction will also be called a spontaneous if

- A. It does not need energy to start with
- B. It needs energy to carry the whole process
- C. It needs energy at the end of reaction
- D. It needs energy to start with