

Asutosh College
Sem-6 Examination 2021
Chemistry General
Paper DSE-B2 – Internal Assessment

F.M. – 10

Time: 30 min

SET-1

1. What type of reaction is not generally studied by TGA?

a) decomposition b) substitution c) adsorption and desorption d) sublimation and vaporization

2. Which one is not a popular stationary phase?

a) silica b) alumina c) cellulose d) zinc oxide

3. Solvent extraction is affected by:

a) temperature b) volume of solvent c) external pressure d) all of these

4. Optically pure camphor-10-sulphonis acid is used for resolution of racemates of

a) acids b) bases c) amines d) alcohols

5. The electroanalytical technique where potential is measured is called:

a) conductometry b) potentiometry c) polarography d) coulometry

6. Conductivity is proportional to concentration for:

a) strong electrolyte b) weak electrolyte c) same for both d) not at all proportional in anyway

7. The pH jump for strong acid vs strong base titration is:

a) 4-11 b) 3-6 c) 6-9 d) 10-12

8. Molecular uv-visible absorption spectroscopy is based on

a) Electronic transition b) Vibrational transition c) Rotational transition d) Both vibrational and rotational transition.

9. Which part of the flame is used for atomic absorption in Flame atomic absorption spectroscopy?

a) secondary combustion zone b) primary combustion zone c) Interzonal region d) Both primary and secondary combustion zone

10. Job's method is used for the determination of

a) Stoichiometry of a Metal—Ligand Complex
b) Iron in Water and Wastewater
c) free chlorine residue in the chlorine water
d) Serum barbiturates.

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~~**eechemofficial@gmail.com**~~