

Question 1: Transition metals are coloured because of d-d transitions while organic molecules are coloured because of _____.

- Conjugation
 - pi--d transitions
 - sigma to sigma transition
 - sigma to pi transition

Question 2: what is Epsilon in Beer Lambert Law?

- Transmittance
- Molar absorptivity
 - Path length
 - Analyte concentration

Question 3: Lyman series lies in _____ range.

- Visible
- Ultra Violet
 - IR region
 - None of the given

Question 4: _____ Transition occurs in alkenes, carbonyl, azo compounds and alkynes.

- pi to pi*
 - n to pi*
 - n to s*
 - None of the given

Question 5: n to s* Transition occurs in O, N, S and _____?

- halogen compounds
 - alkynes
 - carbonyls
 - azo compound

Question 6: Which of the following is example of cation exchange Sorbents?

- Benzenesulfonic acid
- Carboxylic acid
- Carboxylic acid
- Both A and B