T.Y.B.SC. SEMESTER- IV

CHEMISTRY PAPER – II  CH – 342 (INORGANIC CHEMISTRY)

MULTIPLE CHOICE QUESTIONS (MCQ)

CHAPTER 6. BIO-INORGANIC CHEMISTRY

Q1) Choose the correct option from following and write in right side box  1  Mark

1) Which protein is involved in iron transport?
   a) transferrin        b) Catalyse       c) metalloprotein      d) peroxidase

2) Which metal is present in cyanocobalmin?
   a) Co       b) Ca        c) Mg       d) Cu

3) In one ferritin unit ------- amino acids present.
   a) 150       b) 175       c) 18       d) 15

4) Calmoduline protein contains ------ calcium ions.
   a) 5       b) 4       c) 6       d) 3

5) In chlorophyll ------- metal ion is present
   a) Na       b) Ca       c) Mg       d) Cu
6) Fe - s protein clusters has a type -------
   a) 1Fe – 0S Cluster       b) 2Fe – 2S Cluster
   c) 3Fe – 3S Cluster       d) 4Fe – 4S Cluster       e) all the above

7) Copper superoxide dismutase a protective metalloenzyme -------
   a) converts toxic superoxide ion into oxygen molecule
   b) protects organism from toxic byproducts
   c) isolated from cupreins   d) all the thee

8) What are the biological role of sodium and potassium?
   a) controlling osmotic pressure  b) charge transfer
   c) membrane potential and condensation of polyelectrolytes   d) all thee

9) What is Biological role of Ca metals in non-enzymatic processes?
   a) messenger for hormonal action   b) trigger for muscle contraction
   c) initiation of blood clotting   d) all the thee

10) What is oxidation number of Fe in Rubredoxin, Fe-S protein ?.
    a) +2            b) +3          c) +6                    d) +2 & +3

11) How many heam units are present in haemoglobin?
    a) 2              b) 4              c) 6                      d) 1

12) What is the functions of Haemoglobin
    a) metal ion storage    b) transport of oxygen
    c) storage of oxygen    d) all the three

13) What is the function of ‘myoglobin’.
    a) metal ion storage    b) transport of oxygen
    c) storage of oxygen    d) all the three
14) Role of Ferritin protein in biological process is ""--.--". 

a) metal ion storage  
b) transport of oxygen 

c) storage of oxygen  
d) all the three