

BIOCHEMISTRY

Paper - 1

SUMMER 2014

(2 ½ hours)

Total marks : 40

SECTION – B

2. Brief answer question: (any 6 of 7) :

(6x4=24)

- a) Protein energy malnutrition.
- b) Diagnostic enzymes in myocardial infraction.
- c) Applications of Recombinant DAN Technology.
- d) Functional classification of proteins.
- e) Oxidative Phosphorylation.
- f) A nine year old boy presented with spongy bleeding gums and painful swelling of gums and joints.
 - 1) Name the disease.
 - 2) Which biomolecule is deficient?
 - 3) Give any four biochemical functions of the deficient factor.
- g) Genetic code.

SECTION – C

3. Long answer question :(any 2 of 3) :

(2x8=16)

- a) Describe in detail Protein biosynthesis with its inhibitors.
- b) Describe Kerbs-Hensleit Urea cycle in details and discuss its abnormalities.
- c) What is enzyme inhibition ? Give an account of competitive and non-competitive enzyme inhibition.