

**BIOCHEMISTRY 1
SUMMER 2017**

Total Marks : 40

2 ½ HRS

SECTION - B-(SAQ) (24 Marks)

Short answer question (any six out of seven)
(6x4 = 24)

- a) Coenzyme.
- b) Functions of plasma proteins
- c) Electron transport chain
- d) Phenylketonuria.
- e) Applications of recombinant DNA technology

- f) A 50 years old female patient complains of painful, swollen joints and shows hyperuricaemia
 - i) Name the probable disease.
 - i) Name the defective enzyme.
 - ai) What is the normal value of serum uric acid ?
 - iv) What is the biochemical basis of the treatment?
 - g) Balanced diet

SECTION-C-(LAQ)

(16 Marks)

3. Long answer question (any two out of three) (2x8=16)

- a) Describe sources, daily requirements, functions and deficiency manifestations of Vitamin-A.
- b) Define enzymes and explain clinical applications of enzymes with suitable examples.
- c) Explain the formation and fate of ammonia.