

BIOCHEMISTRY

Paper - 2

NOV./DEC. 2008

(2 ½ hours)

Total marks : 40

SECTION – B – (SAQ)

2. Write short answers. (any 6):

(6x4=24)

- a) Absorption of iron.
- b) Ketosis.
- c) Tumor markers.
- d) Fatty liver.
- e) Radio isotopes – Diagnostic and Therapeutic uses.
- f) A 38 year old person suffering from fever and chills was diagnosed as malaria patient. He was given antimalarial drug primaquine. After few days, he complained of passing red coloured urine and weakness. Laboratory data showed Hb level 7.5 gm percent and unconjugated bilirubin 7.8 mg / dl.
 - i) What is probable diagnosis?
 - ii) What defect is responsible?
 - iii) Why rise in unconjugated bilirubin?
 - iv) Explain mechanism of anemia.
- g) An adolescent individual came to the OPD with complaints of growth failure. Sexual immaturity, loss of taste acuity and delayed wound healing.
 - i) Identify deficient mineral.
 - ii) What is its RDA?
 - iii) Mention its food sources.
 - iv) Name the enzymes associated with this mineral.

SECTION – C – (LAQ)

3. Attempt. (any 2) :

(2x8=16)

- a) Mention normal blood glucose level in fasting and post prandial condition. How blood glucose level is regulated? Mention renal threshold for glucose.

b) Describe absorption and functional role of calcium. Mention its food sources and daily requirement in various age groups.

