Q.P.Code 1601

First Professional MBBS Degree Supplementary Examinations - March 2012

BIOCHEMISTRY- PAPER ||

Time: 3 hrs

- Answer all questions
- Draw diagrams wherever necessary

Essay

 Describe about sources, RDA, biochemical functions and deficiency manifestations of vitamin A. (1+1+6+2=10)

Discuss the following:

- 2. Define protein energy malnutrition and compare marasmus and kwashiorkor
 - 3. Describe the salvage pathway of purine nucleotide synthesis with its significance. Describe the disorder associated with it.

Write short notes on:

- 4. Describe any four functions of calcium
- 5. Structure of DNA
- 6. Define metabolic acidosis. Mention the causes and biochemical finding in metabolic acidosis.
- 7. Define Reverse transcription and mention its significance
- 8. Name the tests to measure GFR and define creatinine clearance.

Answer briefly:

- 9. Mention few unusual bases and mention where it is present.
- 10.Name the buffer systems in the body.
- 11. Mention the cause and clinical features of pellagra.
- 12. What is gout and mention few clinical features of gout.
- 13. Mention two diagnostic uses of radioactive isotopes.

Give precise answers:

- 14. Name the hormones causing increased cyclic AMP production.
- 15. Enzyme used as tumor marker.
- 16. Mention the normal level of serum creatinine.
- 17. Mention the enzyme deficient in severe combined immunodeficiency disorder.
- 18.What type of mutation occurs in sickle cell anemia and what is the biochemical defect in sickle cell anemia.

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Reg. No.:....

(2x5=10)

(10)

Max marks : 50

(5x3=15)

(5x2=10)

(5x1=5)