

**Q.P. CODE: 113019**

**Reg. No: .....**

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree  
Supplementary Examinations April 2019**

**Paper III – General Biochemistry**

**(2016 Scheme)**

**(Common for both specialty)**

**Time: 3 Hrs**

**Max. Marks: 50**

- Answer all questions
- Draw diagram wherever necessary

**Essays:**

**(2x10=20)**

1. What is the normal serum calcium level. Mention its functions. Explain calcium homeostasis.
2. Describe the dietary sources, RDA, functions and deficiency manifestations of vitamin A.

**Short Notes:**

**(2x5=10)**

3. Define enzymes. Write down the IUBMB classification of enzymes with examples.
4. Mention the plasma proteins and their normal values. Describe their functions

**Answer briefly:**

**(10x2=20)**

5. What are Epimers. Give two Epimers of glucose.
6. Define pH. What is the normal pH of blood
7. Nucleotides.
8. Collagen
9. Name the essential amino acids. Why they are called essential
10. Coagulation
11. Donnan - membrane equilibrium
12. tRNA
13. Beriberi
14. Michaelis – Menten theory and Km value

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