

QP. CODE: MB2019102

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MBBS FIRST YEAR SUPPLEMENTARY EXAMINATIONS: JUNE, 2022

Biochemistry (New Regulation)**Paper-II****Time: 3 Hours****Max Marks: 100****Note: Answer all questions.****Give Diagrammatic representation whenever necessary**

Write a Long Answer Questions on the following**2x15=30**

11. Write in detail catabolism of Tyrosine. Write about the various products derived from Tyrosine. Add a note on disorders of Tyrosine catabolism.

(5+5+5)

12. Discuss about the Vitamin A under the following

(2+2+1+5+5)

- a) Chemistry.
- b) Sources.
- c) Daily requirement.
- d) Biochemical functions.
- e) Deficiency manifestations.

Write a Short Answer Questions on the following:**8x5=40**

3. Regulation of Plasma calcium.

4. Purine salvage pathway.
5. Structure and functions of t-RNA
6. Denaturation and Coagulation of Proteins
7. Marasmus and Kwashiorkor.
8. Porphyrrias.
9. Thyroid function tests
10. Vanden Bergh reaction and its interpretation.

Write Very Short Answer on the following:

10X3=30

11. Biochemical functions of Zn and Iodine.
12. Haemoglobin Derivatives.
13. Genetic Code
14. Write any 3 inhibitors of De Novo purine synthesis.
15. Phenyl Ketonuria.
16. Oncogenes.
17. Creatinine clearance.
18. Biochemical functions of Niacin coenzymes.
19. Homocystinuria.
20. Applications of PCR in Clinical Medicine
