

QP. CODE: MB2019101

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES****WARANGAL, TELANGANA STATE-506 002****MBBS FIRST YEAR SUPPLEMENTARY EXAMINATIONS: JUNE, 2022****Biochemistry (New Regulation)****Paper-I****Time: 3 Hours****Max Marks: 100****Note: Answer all questions.****Give Diagrammatic representation whenever necessary**

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

11. A Diabetic patient during a periodic check-up was found to have elevated plasma Cholesterol levels.

- a) What are the parameters measured under lipid profile?
- b) How is Cholesterol transported in plasma?
- c) Explain the clinical importance of controlling the plasma cholesterol level in a Diabetic patient.
- d) Name any two drugs to lower the plasma Cholesterol level. (2+5+6+2)

12. Classify Enzymes with suitable examples. What are the factors affecting the enzyme action? Write briefly about enzyme inhibition. (5+6+4)

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

- 3 Write about various components of electron transport chain and its inhibitors.
4. Role of Lungs in maintenance of body P<sup>H</sup>.
- 5 Mechanism of Group I hormone action.
6. Write about the Regulation of Glycolysis,
7. ELISA.
- 8 Ketogenesis.
9. Glycogen storage disorders.
10. What is buffer and write about the various buffer systems present in the body.

**Write Very Short Answer on the following:**

**10X3=30**

11. Give examples for Oxidative phosphorylation.
12. Structure and Functions of Immunoglobulins
13. Define Epimers'? Name two Epimers.
14. Structure and Functions of Heparin.
15. Detoxification by Conjugation.
16. PDH Complex (Pyruvate dehydrogenase complex).
17. Functions of Collagen.
18. Essential Fatty acids.
19. Galactosemia.
20. Write about the different Transport Mechanisms present in the cell.

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