

Rajiv Gandhi wwwitirettsityr.com Healthy Strittantescom

M.B.B.S. PHASE - I Degree Examination - DECEMBER 2015

Time: 3 Hrs. [Max. Marks: 90]

OP Code - 1005

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.

LONG ESSAY 2 X 10 = 20 Marks

- 1. Explain the De-Novo synthesis of Fatty acids with its regulation
- 2. Give an account of the sources, absorption, RDA, functions, regulation and deficiency manifestations of calcium

SHORT ESSAY 10 X 5 = 50 Marks

- 3. Isoenzymes and their clinical importance
- 4. Regulation of blood sugar level
- 5. Digestion and absorption of proteins
- 6. Compounds formed from tyrosine and their importance
- 7. Oxidative Phosphorylation
- 8. Functions of different types of RNAs
- 9. Gene therapy
- 10. Biochemical investigations to differentiate types of jaundice
- 11. Explain the maintenance of pH of the blood by renal mechanism
- 12. RDA, functions & deficiency manifestations of thiamine

SHORT ANSWERS 10 X 2 = 20 Marks

- 13. Define Respiratory Quotient (RQ). Mention the RQ of carbohydrates, proteins & Lipids
- 14. Role of Vitamin E
- 15. Role of cytochrome P₄₅₀ in detoxification reactions
- 16. What is respiratory acidosis? How is it compensated?
- 17. Functions of phospholipids
- 18. State any two enzymes of the liver function test and give their normal values.
- 19. Mention the functions of Hyluronic acid and Heparin
- 20. Name the immunoglobulins. Give their functions.
- 21. Name abnormal hemoglobins
- 22. Name essential Fatty acids. Why are they called essential?

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