

500-A

DR. NTR UNIVERSITY OF HEALTH SCIENCES: AP: VIJAYAWADA-520 008

M.B.B.S. DEGREE EXAMINATION – DECEMBER, 2016

FIRST M.B.B.S. EXAMINATION

BIOCHEMISTRY

PAPER-I

Time : 2 ½ Hours

Max. Marks: 50

Answer all questions

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- 1) Write in detail about the metabolism of chylomicrons giving suitable examples. 6+4=10
- 2) Write in detail about the steps of glycolysis in anerobic condition. Add a note on its regulation and energetics. 6+2+2=10

WRITE SHORT NOTES ON:

5x4=20

- 3) Functions of biotin
- 4) Homopolysaccharides
- 5) Define Basal Metabolic Rate (BMR) and write the factors affecting BMR
- 6) Protein energy malnutrition
- 7) Isoenzymes

WRITE BRIEFLY ON:

5x2=10

- 8) Significance of uronic acid pathway
  - 9) Acute intermittent porphyria – mention the deficient enzyme and the lab findings
  - 10) Effect of temperature on enzyme activity
  - 11) Mention different types of  $\alpha$ -Thalassemias
  - 12) Mention functions of Haemoglobin
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