

500-A

M.B.B.S. DEGREE EXAMINATION – NOVEMBER, 2012
FIRST M.B.B.S. EXAMINATION
BIOCHEMISTRY
PAPER-I

Time : 2 ½ Hours

Max. Marks: 50

Answer all questions

1) Describe the biochemical changes in carbohydrate and lipid metabolism in prolonged starvation. 5+5=10

2) Describe the formation, transport and metabolic fate of ammonia in the body. What is ammonia toxicity? 2+2+4+2=10

WRITE SHORT NOTES ON:

5x4=20

3) Isoenzymes and their clinical importance

4) Folate trap (Methyl trap)

5) Define basal metabolic rate (BMR) and list the factors affecting BMR.

6) Advantages and disadvantages of intake of polyunsaturated fatty acids

7) Structure and function of glutathione

WRITE BRIEFLY ON:

5x2=10

8) Dietary fibre

9) Two main causes of Fatty liver

10) Main sources of sucrose and lactose.

11) Mention four Biochemical functions of vitamin K

12) Any four functions of phospholipids