DF-1497
M. Sc. (Sem. III) (MLT) Examination
March / April - 2016
MLT - 305 : Biochemistry - I
(Metabolism)

Time : 3 Hours] [Total Marks : 70

Instructions :

(1) Fill up strictly the details of signs on your answer book.

(2) Answers should be legible and to the point.
(3) Use flowcharts and diagrams wherever necessary.
(4) Figures to the extreme right indicate full marks.
(5) Start new answer on new page.

1. Attempt any two of the following (2X9=18)
   (a) β oxidation of palmitic acid with energetics and regulation
   (b) Absorption, transport, biochemical function and homeostasis maintenance of calcium
   (c) TCA cycle : pathway, energetics & regulation

2. Write notes on any three of following (3X6=18)
   (a) OGTT
   (b) Cori's cycle
   (c) Fatty liver
   (d) Absorption of Iron

3. Describe any three of the following (3X6=18)
   (a) HbA1c
   (b) Diabetic ketoacidosis
   (c) Reducing substances in urine
   (d) Selenium

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4. Give brief account on any four of the following (4X4=16)

(a) Biological importance of HMP shunt pathway
(b) Various fates of pyruvate
(c) Glycogenesis & Glycogenolysis
(d) Digestion & absorption of lipids
(e) Goiter