M-588

M. B. B. S. (First Professional) Examination, 2009

BIOCHEMISTRY

Paper First

Time : Three Hours **Max. Marks : 50**

Note: Attempt all questions. All questions carry equal marks.

Q1. Describe metabolism of glycogen and its storage diseases. 10

Q2. Give an account of β-oxidation of palmitic acid and also write energetics of β-oxidation, disorders due to its blockage. 10

Q3. What are genetic code ? Describe protein biosynthesis in prokaryotics and its inhibition. 10

Q4. Write on any **two-** 2x5

(i) Urea cycle

(ii) Function and composition of CSF.

(iii) Phorphyrias

P.T.O.

Q5. Short notes on- 4x2.5

(i) Ketone bodies

(ii) Obstructive Jaundice

(iii) Plasma proteins

(iv) Vitamin-C

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M. B. B. S. (First Professional) Examination, 2009

Biochemistry

Second Paper

Time : Three Hours **Max. Marks : 50**

Note: Attempt all questions. All questions carry equal marks.

Q1. Write in detail about the metabolism of galactose, fructose and mannose. Also define metabolism. 10

Q2. Define lipids. Write down in detail about various lipid oxidation theories. 10

Q3. Write down in detail about various liver function tests. As far as possible, also give the normal reference ranges of these tests. Also draw a flow diagram of such tests. 10

Q4. Write down in detail about the metabolism of branched chain amino acids. 10

P.T.O.

Q5. Write about-

(i) Point mutation 3

(ii) Plus and minus points of genetic engineering 5

(iii) Benedict's test and its importance, if any 2