

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BPHARM 1022]

OCTOBER 2022  
(MARCH 2022 EXAM SESSION)

Sub. Code: 2018

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)

PCI Regulation 2017 – SEMESTER II

PAPER III – BIOCHEMISTRY

*Q.P. Code : 562018*

Time: Three hours

Maximum: 75 Marks

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. Describe urea cycle and its metabolic disorder.
2. Explain the steps involved in biosynthesis of pyrimidine nucleotide.
3. Explain synthesis of Fatty acid.

**II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)**

1. Phospholipids.
2. Discuss and detail about the Redox potential.
3. Ketone bodies.
4. Jaundice and its types.
5. Explain enzyme inhibitors with example.
6. Classify Carbohydrates.
7. Synthesis and significance of Melatonin.
8. Write note on Phenyl Ketonuria.
9. Replication of DNA.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. Difference between DNA and RNA.
2. Fatty liver.
3. Coenzyme.
4. Albinism.
5. Transamination.
6. Define carbohydrates with examples.
7. Glycolysis.
8. Genetic code.
9. Hypercholesterolemia.
10. Essential fatty acids with examples.

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