

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

[BPHARM 0321]

MARCH 2021

Sub. Code: 2018

(SEPTEMBER 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

PCI Regulation 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. Explain the process of glycogen breakdown pathway.
2. Describe the citric acid cycle with energetic.
3. Explain the metabolic pathway of phenylalanine and Tyrosine.

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

1. RNA
2. Explain the coenzymes involving oxidation – reduction reaction.
3. Lipoproteins.
4. Describe the Michaelis – Menten equation.
5. Explain about glycogen storage diseases.
6. Fatty liver.
7. Biosynthesis of Purine nucleotides.
8. Electron transport chain.
9. Jaundice.

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

1. Albinism.
2. Hypercholesterolemia.
3. Define metabolism.
4. What is the significance of HMP shunt?
5. What is genome?
6. Atherosclerosis.
7. Give any two differences between DNA and RNA.
8. Isoenzymes.
9. Ketone bodies.
10. FMN.
