

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

[MBBS 0822]

AUGUST 2022

Sub. Code :5056

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted upto the Academic Year 2018-2019)

FIRST YEAR

PAPER VI – BIOCHEMISTRY - II

Q.P. Code: 525056

Time: Three hours

Maximum : 50 Marks

Answer All Questions

I. Essay: **(1 x 10 = 10)**

1. Describe in detail the process of replication in Eukaryotes with suitable diagram.

II. Write notes on: **(5 x 4 = 20)**

1. Specialised products from Arginine.
2. Role of kidneys in acid base balance.
3. Applications of Polymerase Chain Reaction (PCR).
4. Congenital Jaundice.
5. Phenylketonuria.

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

1. What are Antioxidants? Give examples.
2. Ceruloplasmin.
3. Variegate Porphyria.
4. Acute phase proteins.
5. What is anion gap? How is it calculated?
6. What are Phase II detoxification reactions? Give examples.
7. Causes of Secondary gout.
8. Telomerase.
9. Name the post-translational modifications.
10. Immunoglobulin M (IgM).
