

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

[MBBS 0822]

AUGUST 2022

Sub. Code: 6061

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

SECOND YEAR – SUPPLEMENTARY (CBME)

PAPER I – PHARMACOLOGY – I

Q.P. Code: 526061

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. A 35-year-old woman was taking combined oral contraceptive pills. She was diagnosed as a case of Pulmonary tuberculosis and put on isoniazid, rifampicin, pyrazinamide and ethambutol combination therapy daily for 2 months followed by isoniazid and rifampicin thrice weekly for 4 months. In the 3rd month of treatment, she failed to have withdrawal bleeding during the gap period of contraceptive cycle. One week later her urinary pregnancy test was found to be positive.

- A. What is the reason for contraceptive failure?
- b. Explain Phase I biotransformation reaction with suitable examples.
- c. Name 4 enzyme inducers and explain the clinical relevance of Microsomal Enzyme Induction.
- d. Explain microsomal enzyme inhibition with suitable examples.

2. A 8-year-old boy was sent for neurologic evaluation because of episodes of apparent inattention. His mother gives a history of episodes of starring look which lasts for few seconds, and he immediately resumes his previous activity. He was diagnosed to have absence seizures.

- a. Describe the mechanism of action of the drug used in absence seizures?
- b. Mention the adverse effects, uses and drug interactions of the drug used in absence seizures
- c. Treatment of status epilepticus

II. Write Short notes on:

(10 x 5 = 50)

1. Teratogenicity.
2. Drugs used in open angle Glaucoma.
3. Fibrinolytic drugs.
4. Mechanism of action and adverse effects of ACE inhibitors.
5. Preanesthetic medication.
6. Role of sympathomimetics used in Bronchial Asthma.
7. Antianxiety agents.
8. Mechanism of action and adverse effects of Succinylcholine.
9. Disease modifying anti-Rheumatic drugs (DMARDs).
10. Uses of Prostaglandins.
