

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

[MD 0524]

MAY 2024

Sub. Code: 4020

M.D. DEGREE EXAMINATION

BRANCH VI – PHARMACOLOGY

PAPER IV – RECENT ADVANCES IN PHARMACOLOGY

Q.P. Code: 204020

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. a) Pharmacology of Anticancer antibiotics.
b) Role of corticosteroids in cancer chemotherapy.
2. a) Therapeutic uses of anticholinergics with rationale.
b) Role of Oximes in Organo phosphorous compound poisoning.

II. Short notes:

(10 x 5 = 50)

1. Rationale of quorum requirements in IEC and Role of independent consultants in review of proposals.
2. Enumerate the steps in approval process of Generic drugs in India.
3. Functions of Drug Information Centre.
4. Contributions of Sir Ram Nath Chopra.
5. Time line of reporting adverse events and Compensation in clinical trials.
6. OPERAM, SYMPATHY, PRIMA-e DS – Explain.
7. Regulations with respect to Over The Counter drugs in India.
8. Drugs used to treat Invasive Aspergillosis.
9. Therapeutic uses of Immunotoxins.
10. Initiative on Countefeit drugs in India.

III. Reasoning Out:

(4 x 5 = 20)

1. Adverse effects K channel regulators as antiarrhythmic drugs.
2. Additional benefits of third generation Beta blockers.
3. Compare the advantages of heparin versus LMWH.
4. Hemodynamics and Rationale for preference of Adrenaline in anaphylactic shock.
