

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

[MBBS 0224]

FEBRUARY 2024

Sub. Code :6061

M.B.B.S. DEGREE EXAMINATION

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

SECOND PROFESSIONAL YEAR – (CBME)

PAPER I – PHARMACOLOGY

*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 large scale Multi centered randomized double blind trials in 3000 patients was carried out to further establish the safety and efficacy of Drug X.
  - a) What is the phase of this clinical trial?
  - b) What is double blind trial?
  - c) Write briefly about different phases of clinical trials.
  - d) What is a pre clinical trial?
  
2. A 70 year old woman came to OPD with complaints of pain in her right thigh muscle. Duplex Ultrasonography indicates the presence of deep vein thrombosis in the affected limb. The decision was made to treat this woman with Enoxaparin.
  - a) Explain the mechanism and uses of Enoxaparin.
  - b) Reason for preferring Enoxaparin over Heparin.
  - c) Write in detail about Mechanism of action, uses and adverse effects of Heparin.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Define Bioavailability and write briefly on factors affecting oral bioavailability.
2. What determines decision making capacity and competency?
3. Migraine prophylaxis.
4. Syndopa :
  - a) What is the above FDC?
  - b) Benefits of this Combination.
  - c) ON - OFF effect of Levodopa.
5. Explain: Anxiolytics before surgery.
6. Advantages of Inodilators.
7. Treatment of Alcohol withdrawal syndrome.
8. Uses and Contra indications of Opioids.
9. Anti anxiety drugs.
10. Role of Prostaglandins in therapeutics of Glaucoma.

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