

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

**[M.PHARM 1223]**

**DECEMBER 2023  
(OCTOBER 2023 EXAM SESSION)**

**Sub. Code: 2983**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER - I (PCI New Regulations 2016)  
PHARMACOLOGY – MPL  
PAPER III – PHARMACOLOGICAL AND TOXICOLOGICAL  
SCREENING METHODS – I**

*Q.P. Code: 262983*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. (a) Explain the Anaesthesia and Euthanasia techniques used in experimental animals.  
(b) What are the guidelines of CPCSEA to maintain the animal house?
2. Explain in detail the different in vivo models employed in the screening of antiarrhythmic drugs.

**II. Write notes on:**

**(7 x 5 = 35)**

1. What are the methods of evaluation of Immunoassay agents?
2. Enumerate Antidiabetic drug screening methods.
3. Explain the invitro methods for the screening of sympathomimetic drugs.
4. Explain the principles and types of Bioassays.
5. Write two invitro screening methods for anticancer drugs.
6. Write about important screening methods for Anxiolytic drugs.
7. Explain cotton wool granuloma pouch method.

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