

[LG 351]

APRIL 2015

Sub. Code: 2912

**M.PHARM. DEGREE EXAMINATION  
FIRST YEAR  
BRANCH IV – PHARMACOLOGY  
PAPER III – BIOLOGICAL STANDARDISATION AND  
PHARMACOLOGICAL SCREENING METHODS**

*Q.P. Code : 262912*

**Time : Three hours**

**Maximum : 100 marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the various methods employed in the screening of antiepileptic agents.
2. Discuss in detail the different methods employed in the euthanasia of laboratory animals.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Preparation and maintenance of cell lines
2. Shay rat
3. Lipschitz test
4. Any two methods used for screening of free radicals scavenging activity
5. Digitalis bioassay using rabbit
6. Hole board test
7. CPCSEA guidelines
8. Guinea pig wheal method
9. Cotton wool granuloma pouch
10. General principles of bioassay

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