

VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University) , SALEM

B.PHARM. DEGREE EXAMINATION – October 2021
Eighth Semester

EXPERIMENTAL PHARMACOLOGY

Time : Three hours

Maximum: 75 marks

I. Write essay on any **TWO** questions: (2 x 10 = 20)

1. Explain any three in-vivo screening methods for anti-hypertensive agents.
2. Explain any two in-vivo screening methods for skeletal muscle relaxants agents.
3. Enumerate and explain various preclinical screening methods for antiulcer agents.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Mention the objectives of CPCSEA. Write the composition and responsibilities of IAEC.
5. Enlist different screening methods for coagulants. Explain any one in vivo method.
6. Explain any two preclinical screening methods for anti psychiatry activity.
7. Describe one screening model for parasympholytic.
8. Explain nootropics model.
9. Explain one screening method for anti-depressant.
10. Explain Student t test.
11. Describe Chi-square test.
12. Explain significance of sham negative and positive control group.

III. Write short notes on : (10 x 2 = 20)

13. One way ANOVA.
14. Research methodology.
15. Institutional animal ethics committee.
16. Define Narcotics and analgesics.
17. Short note on sample size.
18. Briefly describe breeding techniques.
19. Transgenic animal models for cancer.
20. Experimental uses of rat.
21. Post marketing surveillance.
22. Drug toxicity.