

IV B.Pharmacy I Semester Regular/Supplementary Examinations, Oct/Nov-2017
BIO ASSAYS & TOXICOLOGY

Time: 3 Hrs

Max. Marks: 70

Question paper Consists of Part-A and Part-B
Answering the question in Part-A is Compulsory,
Three Questions should be answered from Part-B

PART – A

1. a) Write about the merits and demerits of bioassays.
- b) Write a short note on insulin.
- c) Write the Chemical Carcinogenesis in humans.
- d) Write a short note on sub acute and **chronic** toxicity.
- e) Write about the general principles of toxicology in treatment of poisoning.
- f) Write a note on toxic effects of pesticides. (4+3+4+3+4+4)

PART - B

2. a) Define bioassay and write about the test for freedom undue toxicity.
- b) Discuss about the types of bioassay. (6+10)
3. a) Explain the principles and procedures involved in bioassay of posterior pituitary extract.
- b) Write a note on tetanus and its prevention. (8+8)
4. a) Write a brief note on history and scope of toxicology.
- b) Discuss the mechanism of xenobiotics. (9+7)
5. a) Define carcinogenicity. Explain the test systems for carcinogenicity assessment.
- b) Discuss the methods for the determination of LD₅₀. (9+7)
6. a) Explain the toxic responses of liver.
- b) Write the signs, symptoms, treatment of acute and chronic poisoning of heavy metals. (7+9)
7. a) Explain the toxic responses of kidney.
- b) Write about the treatment strategies of toxic effects of pesticides. (8+8)