

Subject Code: B134102/R13

Set - 1

**IV B.Pharmacy I Semester Advanced Supplementary Examinations, Feb/March-2018**  
**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 the basic principles of bioassays.  
b) Write about the bioassay of digoxin.  
c) Write the principles of toxicology.  
d) Write about the mechanism of action of chemical carcinogens.  
e) Write about the toxic effect of metals.  
f) Write the short note on acute pesticide intoxication. (4+3+4+3+4+4)

**PART - B**

2. a) Define bioassay & write about the test for pyrogens.  
b) Elucidate the methods of bioassays. (8+8)
3. a) How is posterior pituitary extract standardized for oxytocic activity?  
b) Write about the limitations of bioassays. (9+7)
4. a) Discuss about the toxicokinetics.  
b) Write a short note on mechanism & risk assessment in toxicology. (8+8)
5. a) Write a brief note on chronic toxicity.  
b) Write in detail about the chemical carcinogenesis in humans. (8+8)
6. a) Explain the toxic responses of heart.  
b) Write about the toxic effects of plants. (8+8)
7. a) Write about the harmful effects of solvents and vapours.  
b) Explain the toxic responses of blood. (8+8)

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