

**IV B. Pharmacy I Semester Advanced Supplementary Examinations, February - 2020
BIO ASAYS & TAXICOLOGY**

Time: 3 hours

Max. Marks: 70

- Note: 1. Question paper consists of two parts (**Part-A** and **Part-B**)
2. Answering the question in **Part-A** is Compulsory
3. Answer any **THREE** Questions from **Part-B**

PART -A

1. a) Write the test for freedom undue toxicity. (4M)
- b) Write a short note on tetanus antitoxin. (4M)
- c) Write the principles of toxicology. (3M)
- d) Write about LD₅₀. (4M)
- e) Write the treatment for snake venom poisoning. (3M)
- f) Write about the toxic effects of solvents. (4M)

PART -B

2. a) Write the principles, merits, demerits, applications of bioassay. (8M)
- b) Write the test for pyrogens. (8M)
3. a) Explain about the bioassay of digoxin. (9M)
- b) Write any two methods for insulin bioassay. (7M)
4. a) Write the principle, mechanism and risk assessment of toxicokinetics. (8M)
- b) Write the scope of toxicology. (8M)
5. a) Explain about acute, chronic toxicity studies. (9M)
- b) Write the mechanism, test system of chemical carcinogenesis. (7M)
6. a) Explain the toxic responses of blood. (10M)
- b) Write a note on BAL. (6M)
7. a) Explain the toxic effects of vapours. (8M)
- b) Write the toxic effects of plants. (8M)