



**Mid Semester Test -I**  
**Spring 2023-24 (April 2024)**

**Name of Program-PhD**  
**Course Name: PHARMACEUTICAL SCIENCES**  
**Course Code - PS21P104**

**Max. Duration: 1.5 hrs**

**Max. Marks: 30**

**SECTION – A**

**1. Objective Type Questions (ALL QUESTIONS ARE COMPULSORY)**

**(5X1 = 05)**

- a) Laboratory small animals is/are.
- |           |                            |
|-----------|----------------------------|
| i. Rats   | ii. Rabbits and Guinea Pig |
| iii. Mice | iv. All of the Above       |
- b) Which of the following is strain of rat?
- |            |                    |
|------------|--------------------|
| i. BALB/c  | ii. Sprague Dawley |
| iii. Swiss | iv. DBA/2j         |
- c) Headquarter of Central Drugs Standard Control Organization (CDSCO) is located in which city.
- |              |               |
|--------------|---------------|
| i. New Delhi | ii. Chennai   |
| iii. Kolkata | iv. Hyderabad |
- d) Tincture of orange is prepared by:
- |               |                 |
|---------------|-----------------|
| i. Maceration | ii. Decoction   |
| iii. Infusion | iv. Percolation |
- d) If the drug have maximum therapeutic value which process is used for extraction?
- |                |                |
|----------------|----------------|
| i. Percolation | ii. Infusion   |
| iii Decoction  | iv. Maceration |

**SECTION – B**

**2. Short Answer Type Questions (Attempt any THREE)**

**(3X5 =15)**

- Expand organization of CDSCO.
- Explain working of osmotic pump.
- Write function of port office of CDSCO.
- Wrote the constitution of Institutional Animal Ethics Committee (IAEC).
- Explain in brief Soxhlet Extraction process.

**SECTION – C**

**3. Long Answer Type Questions (Attempt any ONE)**

**(1X10 =10)**

- Discus in brief the Maceration and Percolation techniques and their application.
- Write short note on small experimental animals on the basis of Committee for the Control and Supervision of Experiments on Animals (CCSEA).