

## PHB Sample Paper-1

**Session:** 2023–24

**Course:** D. Pharm Ist Year

**Subject:** Pharmaceutics

**Exam:** 1<sup>st</sup> Sessional Question Paper-1

**Attempt all the questions:**

**(Section: A)**

**Multiple Choice Questions:**

[5]

**1. Pharmacists are registered under the Pharmacy Act .....**

- |         |        |
|---------|--------|
| a. 1968 | b.1948 |
| c.1938  | d.1958 |

**2. The second publication of NFI was done in:**

- |         |        |
|---------|--------|
| a. 1960 | b.1966 |
| c. 1979 | d.1984 |

**3. The main component of borosilicate is:**

- |                     |                                 |
|---------------------|---------------------------------|
| a. silica           | b.B <sub>2</sub> O <sub>3</sub> |
| c. Both (a) and (b) | d. Sodium oxide                 |

**4. The Sodium benzoate is .....**

- |                       |                     |
|-----------------------|---------------------|
| a. Colouring agent    | b. Sweetening agent |
| c. Food-preservatives | d. None of these    |

**5. Which of the following mills works on the principle of both attrition and impact?**

- |                      |                |
|----------------------|----------------|
| a. Hammer Mill       | b. Cutter Mill |
| c. Cyclone separator | d. Ball Mill   |

**Fill in the blanks:**

[5]

**6.** Type II glass is called as.....

**7.** Disodium EDTA is an example of.....

**8.** Which metal used for construction of sieve is.....

**9.** US FDA Stands for .....

**10.** ..... is a common type of closure for bottles, jars and tubes for physical and chemical protection.

**(Section: B)**

**Short questions (Attempt any five)**

**[5x3=15]**

1. Write a short note on Career in Pharmacy.
2. Define Pharmacopoeia. Discuss history of IP.
3. Explain the functions of packaging.
4. Write a short note on sweetening agents with example.
5. What are the objectives of size separation?
6. Explain the factor affecting of mixing.

**(Section: C)**

**Long questions (Attempt any three)**

**[3x5=15]**

1. Write about Pharmaceutical Aids. Explain it preservatives.
2. Describe the Principle, construction and working of Ball Mill.
3. Explain in detail Indian Pharmacopoeia.
4. Discuss in detail about Types of glass containers with it advantages.

**PHB Sample Paper - 2****Session:** 2023–24**Course:** D. Pharm Ist Year**Subject:** Pharmaceutics**Exam:** 1<sup>st</sup>Sessional Question Paper-2**Attempt all the questions:****(Section: A)****Multiple Choice Questions:****[5]****1. The first edition of IP was published :**

- |         |        |
|---------|--------|
| a. 1965 | b.1975 |
| c. 1955 | d.1985 |

**2. On which year PCI is constituted:**

- |         |        |
|---------|--------|
| a. 1950 | b.1949 |
| c. 1953 | d.1951 |

**3. The containers for the storage of injections are made of:**

- |                  |                        |
|------------------|------------------------|
| a. Type II glass | b. Soda- lime glass    |
| c. Natural glass | d. Type I and II glass |

**4. Saccharin is an example of .....**

- |                             |                                |
|-----------------------------|--------------------------------|
| a. Natural sweetening agent | b. Artificial sweetening agent |
| c. Flavoring agent          | d. Humectants                  |

**5. What types of particles are preferred for mixed powders?**

- |                        |                     |
|------------------------|---------------------|
| a. Very fine particles | b. Fine particles   |
| c. None of above       | d. Coarse particles |

**Define terms:****[5]**

1. Pharmacopoeia
2. Container
3. Organoleptic agents
4. National Formulary
5. Mixing

**(Section: B)****Short questions (Attempt any five)****[5x3=15]**

1. Describe the different types of plastics used in Pharmaceutical containers?
2. Write the salient features of the 6<sup>th</sup> edition of IP.
3. Explain British Pharmacopoeia.
4. Enlist the types of Packaging.
5. Discuss the colouring agents used in Pharmaceutical preparation.
6. Explain working of cyclone separator with diagram.

**(Section: C)****Long questions (Attempt any three)****[3x5=15]**

1. Discuss different official grades of powders.
2. Describe the principle, construction and working of Hammer Mill.
3. Explain in detail Indian Pharmacopoeia.
4. Describe the Principle, construction and working of Double Cone Mixer.