

PHB Education Sample Paper-1
D. Pharm Ist Year,
FIRST SESSIONAL EXAMINATION 2024-25
(Pharmaceutics)

Time: 02Hrs

Maximum Marks: 40

Instructions:

1. Write the Roll no. on your question paper.
 2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.
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Attempt all the questions:

(Section: A)

Multiple Choice Questions:

[5]

1. Type III glass is also known as
 - a. Soda-lime glass
 - b. Treated soda lime glass
 - c. Borosilicate glass
 - d. None of these
2. Maceration is the process of
 - a. Distillation
 - b. Drying
 - c. Mixing
 - d. Extraction
3. Cyclone separator works on the principle of
 - a. Centrifugal force
 - b. Impact
 - c. Sieving
 - d. Attrition
4. Which of the following factors affects the rate of filtration?
 - a. Temperature
 - b. pH
 - c. Pressure
 - d. All of these
5. The first Indian Pharmacopoeia was published in.
 - a. 1864
 - b. 1955
 - c. 1867
 - d. 1820

Fill in the blanks:

[5]

1. The ball mill works on the principle of
2. US FDA stands for
3. The component present in solution in small quantity is known as
4. Saccharin is an example of.....
5. The Methyl Paraben is a

(Section: B)

Short questions (Attempt any five)

[5x3=15]

1. What are the difference between Maceration and Percolation?
2. Explain Indian Pharmacopoeia.
3. What are the objectives of mixing?
4. Write an advantages and disadvantages of Freeze Dryer.
5. Write the properties of a good packaging material.
6. Describe the structure and working of ball mill.

(Section: C)

Long questions (Attempt any three)

[3x5=15]

1. Explain in detail classification of Powders according to IP.
2. Define glass. Explain different types of glass.
3. Explain the factor affecting of filtration.
4. Describe the principle, construction and working of Fluidized Bed Dryer.

PHB Education Sample Paper-2

D. Pharm Ist Year,

FIRST SESSIONAL EXAMINATION 2024-25

(Pharmaceuticals)

Time: 02Hrs**Maximum Marks: 40**

Instructions:

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complain in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

Attempt all the questions:

(Section: A)

Multiple Choice Questions:

[5]

1. The Pharmacy Council of India was established in
 - a. 1942
 - b. 1949
 - c. 1955
 - d. 1950
2. The package that comes in contact with formulation directly is called:
 - a. Primary package
 - b. Secondary package
 - c. Primary and Secondary package
 - d. Tertiary package
3. Disodium EDTA is an example of
 - a. Sweetening agent
 - b. Chelating agent
 - c. Colouring agent
 - d. Preservative
4. Size separation is not based on one of the following properties.....
 - a. Particle density
 - b. Particle size
 - c. Particle shape
 - d. Particle texture
5. Which method is used when potent drugs are to be prepared by mixing large amount of diluent?
 - a. Spatulation
 - b. Tumbling
 - c. Both A and B
 - d. Geometric dilution

Define some terminology:

[5]

1. Size Reduction
2. Filtration
3. Preservative
4. Container
5. Pharmacopoeia

(Section: B)

Short questions (Attempt any five)

[5x3=15]

1. Explain United States Pharmacopoeia.
2. What are the difference between Maceration and Percolation?
3. Describe the structure and working of Hammer Mill.
4. What are the objectives of mixing?
5. Explain sweetening agent used in pharmaceutical product.
6. Write an advantages and disadvantages of Triple Roller Mill.

(Section: C)

Long questions (Attempt any three)

[3x5=15]

1. Explain theory of filtration.
2. Describe the principle, construction and working of Fluidized Bed Dryer.
3. Define glass. Explain different types of glass.
4. Describe the principle, construction and working of Double Cone Blender.