
PHARMACEUTICS

Time Allowed : 3:00 Hours**Maximum Marks : 80****Notes:** (i) Attempt **all** questions

- (ii) Students are advised to specially check the numerical data of question paper in both versions. If there is any difference in Hindi translation of any question, the students should answer the question according to the English version.
- (iii) Use of Pager and Mobile Phone by the students is not allowed.
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Part - A**(Long Type Questions)****Note :** Attempt **any six** questions. Each question carries **equal** marks.

[6 × 5 = 30]

- Q.1. Write the types of Tablets and discuss the manufacturing method of Tablets.
- Q.2. Discuss the construction, working, uses, merits and demerits of Fluidized bed dryer.
- Q.3. What is Novel Drug Delivery System ? Its classification with examples.
- Q.4. Define Prescription. Discuss the various parts of a prescription.
- Q.5. Discuss **any two** of the following :
- Pharmacy as a career
 - Advantages and disadvantages of Plastic as packaging material
 - Classification of Powders according to I.P.
- Q.6. Define Extraction. Name the various methods of extraction. Write the process of percolation.
- Q.7. Write short notes on **any two** of the following :
- Ball Mill
 - Nasal Preparations
 - Capsules

Part - B**(Short Type Questions)****Note :** Attempt **any ten** questions. Each question carries **equal** marks.

[10 × 3 = 30]

- Q.1. Elixir
- Q.2. Hammer Mill
- Q.3. Indian Pharmacopocia
- Q.4. Cyclone separator
- Q.5. Define Quality Control.
- Q.6. Insufflations
- Q.7. Topical preparations
- Q.8. Filtration
- Q.9. Current Good Manufacturing Practice
- Q.10. Pharmaccetical aids
- Q.11. Emulsion

Part - C

(Multiple Choice Questions)

Note : Answer all questions. Each question carries equal marks.

[20×1=20]

- Q.1. Smallpox vaccine should be stored at a temperature :
- (a) Below 0°C (b) 2° to 8°C
(c) 25°C (d) 30°C
- Q.2. Lozenges and implants require high percentage of which of the following ?
- (a) Binding agent (b) Diluent
(c) Disintegrating agent (d) Lubricants
- Q.3. Which of the following dosage forms is semi solid form ?
- (a) Elixir (b) Tablet
(c) Paste (d) Linctus
- Q.4. Theory of Filtration is based on :
- (a) Stoke's law (b) Kick's law
(c) Rittinger's law (d) Darcy's law
- Q.5. Which grade of Sintered Glass filter is used for Sterile filtration ?
- (a) 1 (b) 3
(c) 5 (d) 4
- Q.6. Thermolabile substances in pharmaceutical formulations are dried in which of the following ?
- (a) Fluidized bed dryer (b) Freeze dryer
(c) Vacuum dryer (d) Tray dryer
- Q.7. Who developed the first Vaccine ?
- (a) Edward Jenner (b) Karl Landsteiner
(c) Louis Pasteur (d) Joseph Meister

Fill in the blanks :

- Q.8. The full form of HLB is.....
- Q.9. The disintegration time prescribed for a sugar-coated tablet is.....
- Q.10. Simple syrup I.P. contains 66.7% w/w of.....
- Q.11. The smallest size of hard gelatin capsules is.....
- Q.12. The effervescent granules have Sodium bicarbonate, Citric acid and.....
- Q.13. An agent which is added to eye drop to prolong contact with the eye is called as.....agent.
- Q.14. The solvent used for extraction is called as.....

One word/One sentence Questions :

- Q.15. Give an example of thickening agent which is inorganic in nature.
- Q.16. What are Pessaries ?
- Q.17. What are Toxoids ?
- Q.18. Give two examples of Immunological products.
- Q.19. What is of the Extra Pharmacopoeia ?
- Q.20. What is the minimum qualification for Registration as a Pharmacist ?