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# PHARMACEUTICS

Code No. : 2601

Time : 3:00 Hours]

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(Maximum Marks : 80

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## NOTES:

- Attempt all questions.
- 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.
- Use of Pager and Mobile Phone by the students is not allowed.

## PART - A

(Long Questions)

Answer any six questions. Each question carries equal marks.

[6×5=30]

- Q1) Define Novel drug delivery system. Enumerate their advantages and disadvantages?
- Q2) Define size reduction. Discuss the objectives of size reduction. Explain various mechanism of size reduction?
- Q3) Define Mixing. Discuss the objectives of mixing write a short note on colloid mill.
- Q4) Enlist various distillation process. Discuss various fractional columns?
- Q5) Define sterilisation. Clarify various methods of sterilisation?
- Q6) Discuss in detail various quality control tests for tablet dosage form?
- Q7) Define capsule dosage form. Give the composition of hard gelatin capsule shall. List various size gradation of capsule?

## PART - B

(Short Questions)

Answer any ten questions. Each question carries equal marks.

[10×3=30]

- Q1) Cyclone separator.
- Q2) Filtration
- Q3) Differentiate between mouthwash and gargles.
- Q4) Organoleptic agents.
- Q5) Decoction
- Q6) Differentiate between capping and lamination.
- Q7) Explain Hammer mill.
- Q8) Explain Pharmacopoeia?
- Q9) Explain vacuum Dryer.
- Q10) Explain Toxoids.
- Q11) Explain Topical Preparations.



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(P.T.O.)

## PART - C

Multiple choice Questions/Fill in the blanks/One Word or One Sentence questions Answer all questions. Each questions carries equal marks. [20×1=20]

Multiple Choice Questions :

- Q1)** What is Milk of Magnesia Chemically?  
 a) Calcium hydroxide  
 b) Magnesium Carbonate  
 c) Magnesium hydroxide  
 d) Sodium bicarbonate
- Q2)** Stabilizers are used in elixirs  
 a) as colouring agent  
 b) as preservatives  
 c) for stability  
 d) for solubility
- Q3)** The fourth edition of IP was published in \_\_\_\_\_  
 a) 1985  
 b) 1990  
 c) 1960  
 d) 1996
- Q4)** The "Pharmacy Act" came in force in \_\_\_\_\_  
 a) 1947  
 b) 1948  
 c) 1949  
 d) 1950
- Q5)** Simple syrup is a saturated solution of \_\_\_\_\_  
 a) Sucrose  
 b) Fructose  
 c) dextrose  
 d) None of these
- Q6)** Capsules in which powders are enclosed are made up of \_\_\_\_\_  
 a) Galatine  
 b) Rice flour  
 c) Fructose  
 d) Dextrose
- Q7)** The prescription is an order written by a registered medical practitioner to \_\_\_\_\_  
 a) Patient  
 b) Pharmacist  
 c) Compounder  
 d) Nurse
- Q8)** Enemas are administered \_\_\_\_\_  
 a) Rectally  
 b) Orally  
 c) Parenteral  
 d) Externally
- Q9)** Elixirs are \_\_\_\_\_  
 a) Hydroalcoholic liquid  
 b) Aqueous  
 c) Viscous  
 d) Semi solids

Fill in the blanks:

- Q10)** Full form of "MDI" \_\_\_\_\_
- Q11)** Full form of USP \_\_\_\_\_
- Q12)** Liniments must not be applied on the \_\_\_\_\_ skin.
- Q13)** Every dosage form is a combination of drug and different kind of non-drug components called \_\_\_\_\_.
- Q14)** Drug converted to suitable form are known as \_\_\_\_\_.
- Q15)** Saccharin is an example of \_\_\_\_\_.

One Word or One Sentence questions :

- Q16)** One tsp (teaspoon full) is equal to \_\_\_\_\_ ml.
- Q17)** What does IIS mean on a prescription?
- Q18)** Full form of GMP?
- Q19)** What is the minimum qualification required for registration as a pharmacist.
- Q20)** Which vaccine is used to protect from tuberculosis?

