

20-12-2022

3701

D.Pharma. (Part-I)

Diploma In Pharmacy Part I (New Scheme) (Main) Examination

December-2022

PHARMACEUTICS

Paper-I

Time: Three Hours

Maximum Marks: 80

1. Do not write anything on question paper except roll number, otherwise it shall be deemed as an act of including in unfair means and action shall be taken as per rules.
2. Question paper contain three parts(I-III). Each part is compulsory. Read instructions carefully for each part before starting.
3. Attempt parts of each question altogether. Write question number of each part along with it.

(This paper contains TWO pages)

Part I

Attempt ANY SIX out of following questions long questions.

06 x 05 = 30

- ① Differentiate between hard and soft gelatin capsule.
2. Explain the working and construction of cyclone separator.
3. Explain the principle and working of fluidized bed dryer.
4. Write a note on current good manufacturing practices.
- ⑤ Discuss scope of pharmacy as a carrier in India.
6. What are suppository bases? Write its classification, advantages and disadvantages.
- ⑦ Differentiate between coated and uncoated tablets.

Part II

Attempt ALL of the following questions in short answer.

8. Attempt any SIX questions.

06 x 03 = 18

- a) Write a short note on vaccine.
- b) Write a note on effervescence granules.
- ③ Give method of preparation and users of simple syrup.
- d) Classify briefly Novel Drug Delivery system.
- ⑤ Write the principle, construction and working of ball mill.
- ⑥ Discuss the advantages and disadvantages of plastic as packaging material.
- g) Write a note on preservatives.

9. Answer ALL questions.

04 x 03 = 12

- a) Write a short note on sustained release tablets.
- b) Define the official grades of powders according to I.P.

Nagesh
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- c) Give advantages and disadvantages of glass as a material used for pharmaceutical container and states its types.
- d) Difference between suspension and emulsion.

Part III

Attempt ALL of the following objective questions.

10. Fill in the blanks.

07 x 01 = 07

- a) Hard rubber is formed by the process of
- b) Freeze drying is also known as.....
- c) PEG stands for.....
- d) Liniment may be defined as.....
- e) Lotions are..... *Semi Solid*.....
- f) Gum acacia is used as..... in emulsion.
- g) The 5th edition of IP was published in..... *2007*.....

11. Answer in one sentence.

07 x 01 = 07

- a) What is the use of glycerine in elixir?
- b) Write the Young's formula.
- c) Write any two examples of flavouring agents used in monophasic dosage forms.
- d) Define dusting powders.
- e) Name any two flocculating and deflocculating agents used in suspension.
- f) Write applications of extraction.
- g) Name any two emulsifying agents.

12. Define the following terms:

06 x 01 = 06

- a) Cream
- b) Insufflations
- c) Toxoids
- d) Quality assurance
- e) Ointments
- f) Pessaries