

NTK/KW/15-6969

**First Semester Examination for the Degree
of Bachelor of Pharmacy**

PHARMACEUTICS I

(General Dispensing)

Paper - I (1 T 1)

Time : Three Hours]

[Max. Marks : 80

- N. B. :
- (1) Question No. 1 is compulsory.
 - (2) Solve any four questions from the remaining.
 - (3) Draw neat labeled diagram wherever necessary.
 - (4) Use of electronic calculator is permitted.

1. Solve any **five** questions out of the following :—
- (a) Define dosage form. List out its desirable characteristics or properties.
 - (b) Explain the terms :—
 - (i) Douches. (ii) Aromatic water.
 - (c) Calculate the dose of a drug for an infant of 9 months and a child of 7 years if the adult dose of drug is 250 mg.
 - (d) Differentiate between the following :—
 - (i) Ointment and paste. (ii) Spirit and tincture.
 - (e) Define the terms :—
 - (i) Anaesthetic
 - (ii) Laxative

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- (iii) Counterirritant
- (iv) Demulcent.
- (f) Define jellies. Explain various types of jellies.
- (g) Enlist various types of parenteral route of drug administration. Give its advantages and disadvantages.
 $5 \times 4 = 20$
- 2. Define posology. Explain various factors affecting the dose of drug. 15
- 3. (a) Define prescription. Describe various parts of it. 8
(b) Discuss the history of Indian pharmacopoeia in detail. 7
- 4. (a) Explain various factors governing selection of ointment base. 10
(b) Add a note on pricing the prescription. 5
- 5. (a) Classify various dosage forms giving suitable examples. 8
(b) Discuss the handling of prescription. 7
- 6. (a) Discuss various ointment bases in detail. 10
(b) Add a note on syrup. 5
- 7. (a) List out various formulae for the calculation of dosage for children. 8

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- (b) Comment on labeling, packaging and storage of ointment. 4
- (c) What is the dose of medicament for a man weighing 150 pounds if the adult dose is 3.5 mg/kg body weight ? 3

8. Write short note on (Any **Three**) :—

- (a) Eye drops.
- (b) Elixir.
- (c) Oral and pulmonary route of drug administration.
- (d) Prescription containers and closure.
- (e) Throat paint and sprays. 15