

BACHELOR OF PHARMACY (B. PHARM.) (CBCS-2019 COURSE)

B. Pharm. Sem-I : WINTER : 2021

SUBJECT: PHARMACEUTICS-I

Day : Tuesday
Date : 18-01-2022

W-20655-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** Marks.

Q.1 Answer all the questions: **(10x2)**

- a) Write the difference between gargle and mouthwash.
- b) Enlist various routes of administration.
- c) What are SALA medicines give one example.
- d) Write any two examples of efflorescent and hygroscopic powders.
- e) Define and classify the suspension.
- f) What is the ratio of oil: water: gum in primary emulsion.
- g) What is a) Synergism b) Antagonism
- h) Define and enlist the examples of penetration enhancers in semisolid dosage forms.
- i) Enlist and advantages of nasal spray over nasal drops.
- j) Write briefly about the necessity of calibration of suppository methods?

Q.2 Answer **ANY TWO** of the following: **(2x10)**

- a) Define and classify solution. Explain in detail about the formulation aspects of solution.
- b) What is the incompatibility? Explain in detail about different types of incompatibility with examples.
- c) Write in detail about the stability of emulsion.

Q.3 Answer **ANY SEVEN** of the following: **(7x5)**

- a) Write in detail about various parts of prescription with suitable format of prescription.
- b) Explain in detail about the pricing of prescription.
- c) Write a note on developmental changes in US pharmacopoeia.
- d) Explain about various identification test used for the emulsion.
- e) Write in detail about the excipients used in the preparation of semisolid dosage forms.
- f) Explain the various types of drug interaction affecting the dose calculation.
- g) Classify the various suppository bases and list the ideal properties of the bases.
- h) Explain briefly about the formulation aspect of suspension.
- i) Define classify and explain factors influencing dermal penetration of drugs.

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