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Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 28103 Roll No. 1 2 4 0 7 0 1 0 2 9

B. Pharm. Examination, 2024-25

(Odd Semester)

PHARMACEUTICS - I

Time : Three Hours] *[Maximum Marks : 75*

Note :– Attempt all questions.

SECTION–A

1. Attempt all parts of the following : $10\times2=20$

   (a) Enlist the editions of Indian pharmacopoeia.

   (b) Differentiate between lotion and liniment.

   (c) Classify semi-solid dosage forms.

   (d) Define the term suspension.

   (e) Define the term gargles and mouthwashes.

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(f) Name any two emulsifying agents.

(g) What is the difference between simple syrup (IP) and simple syrup (USP)?

(h) What do you understand by symbol R_x and signature in prescription?

(i) Define effervescent and efflorescent powders.

(j) Define eutectic mixtures.

SECTION – B

2. Attempt any two parts of the following : 2×10=20

(a) What do you understand by prescription? What are the different parts of prescription? Draw a sample for prescription.

(b) Calculate the volume of 95% of alcohol required to prepare 300 ml of 70% alcohol by alligation method.

(c) Define emulsion. Explain in detail about preparation method of emulsion. Add a note on test for determining the types of emulsion.

Note :–

3. (a)

(b)

(c)

(d)

(e)

(f)

(g)

(h)

(i)

SECTION–C

Note :– Attempt any seven parts of the following questions. $7 \times 5 = 35$

3. (a) Define syrup and explain the formulation of syrup.

(b) Write a note on physical incompatibility.

(c) Write a note on career opportunity in pharmacy.

(d) Write a note on history of pharmacy.

(e) Write the evaluation of semi-solid dosage form.

(f) What are different solubility enhancement techniques? Explain in detail.

(g) Define suppositories. Explain about the ideal bases for suppositories.

(h) Differentiate between flocculated and deflocculated suspension.

(i) What are the different excipients used in liquid dosage form.

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