

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END-SEMESTER EXAMINATION)

CLASS: BPHARM
BRANCH: PHARMACY

SEMESTER: I/BACKLOG
SESSION: MO 2018

SUBJECT: BP103T PHARMACEUTICS-I

TIME: 3.00 Hours

FULL MARK: 75

INSTRUCTIONS:

1. The missing data, if any, may be assumed suitably.
 2. Before attempting the question paper, be sure that you have got the correct question paper.
 3. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
 4. This question paper consists of (03) three parts. Read the part wise instructions before attempting the questions.
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PART-I

Objective types questions (Instruction: Answer all questions)

Q1.

- A. Enlist the Pharmacopoeia's official in India.
- B. What is a Pharmacopoeia?
- C. Enlist any five categories of contents given in a Pharmacopoeia.
- D. What is proof spirit?
- E. What is isotonicity?
- F. What is the symbol of Pharmacy?
- G. What is a dosage form?
- H. In the present time, what is the basis of dose calculation for children?
- I. What will be the strength of alcohol if we mix 500ml of 80% alcohol and 100ml of water?
- J. Define a lotion.

PART-II

Short Answers

(Instruction: Answer seven out of nine questions)

(7 x 5 = 35 marks)

- Q2. Classify the liquid dosage form according to their route of administration.
- Q3. Discuss the advantages and disadvantages of solid dosage forms.
- Q4. Giving illustrative formulas discuss 'Gargles and mouth washes'.
- Q5. What is a suspension? Enlist the class of ingredients used in its preparation. Give examples.
- Q6. What are the advantages of effervescent granules? Discuss their method of preparation.
- Q7. Solve the calculation involved in the following prescription
R_x
Send 250 ml of a 10% solution of potassium permanganate and label with directions for preparing 500 ml of 1 in 400 solution.
- Q8. How will you prepare 250 gm of an ointment with 8% of drug from ointment containing 10% of the drug and another containing 2% of the drug?
- Q9. What is 'displacement value' in the preparation of suppositories? How is it determined?
- Q10. Write a note on dusting powders.

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PART-III
Long Answers
(Instruction: Answer two out of three questions)

(2 x 10 = 20 marks)

- Q11. (i) With the help of an illustrative prescription discuss the parts with their significance.
(ii) What do you understand by handling of prescription? Discuss the steps taken under it.
- Q12. Classify the ointment bases along with their properties.
- Q13. Give the advantages and disadvantages of liquid dosage form. Discuss the methods of enhancing the solubility of substance.

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