CLASS: BPHARM   SEMESTER: V
BRANCH: PHARMACY   SESSION: MO 2024
                        SUBJECT: BP502T INDUSTRIAL PHARMACY-1
TIME: 2.00 Hour   FULL MARK: 30

PART I

A. Objective type questions (Answer all questions)   (5 x02=10 marks)

1. Define preformulation studies.   [CO1]
2. State the full form of TGA, FTIR, XRD and DSC [CO1]
3. What do you understand by orange peel effect? [CO2 & CO3]
4. What do you mean by Mottling? Suggest one remedy for it. [CO2 & CO3]
5. What do you understand by Equipment efficiency for coating equipments? [CO2]

PART II

B. Long Answers (Answer any one out of two)   (01x10=10 marks)
1. Discuss the Wet granulation process along with evaluation of tablets. [CO2]
2. Discuss the following: [CO1]
    a. Determination of Permeability of a drug
    b. Determination of Solubility of a drug
    c. Determination of Partition Coefficient of a drug
    d. Biopharmaceutical Classification system
    e. Stability parameters used for checking the drug or formulation studies under preformulation studies.

PART III

C. Short Answers (Answer any two out of three)   (02x05=10 marks)
1. Suggesting remedies state the different problems associated with tablet coating. [CO2 & CO3]
2. Discuss the sugar coating in details with all the processing parameters. [CO2 & CO3]
3. Discuss the working of Fluidized coating systems with a schematic diagram and state the loop holes of conventional coating pan. [CO2 & CO3]

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For subjects having University examination
 I.   Objective Type Questions (5 x 2)   = 05 x 2 = 10
(Answer all the questions)
II. Long Answers (Answer 1 out of 2)   = 1 x 10 = 10
III. Short Answers (Answer 2 out of 3)   = 2 x 5 = 10

                                             Total = 30 marks

For subjects having Non-University Examination(BP106RBTRemedial Biology,
BP106RMTRemedial Mathematics and BP105TCommunication Skill)

I. Long Answers (Answer 1 out of 2)   = 1 x 10 = 10
II. Short Answers (Answer 4 out of 6)   = 4 x 5 = 20

                                             Total = 30 marks