



P-014-1041005 Seat No. _____
M. P. M. (Sem. I) (CBCS) Examination
July - 2018
BP-103 : Pharmaceutics-I

Faculty Code : 014
Subject Code : 1041005

Time : 3 Hours]

[Total Marks : 75]

Instruction : Figure to the right indicates marks.

1 Answer the following questions : **10×2=20**

- (a) Define creams and pastes.
- (b) Give the career scope for pharmacy professionals.
- (c) Define enema and enlist its types.
- (d) In what proportion must 30% alcohol and 95% alcohol be mixed to make 500 ml of 50% alcohol.
- (e) Give difference between Flocculated and Deflocculated suspension.
- (f) Find out the concentration of sodium chloride required to make 1% solution of calcium disodium edetate iso osmotic with blood plasma. (freezing point of 1%w/v solution of calcium disodium edetate is -0.12°C).
- (g) Write Young's and Dilling's formula for dose calculation.
- (h) Define liniment, write its advantages and disadvantages.
- (i) Define Displacement value.
- (j) Define Eutectic mixtures and give examples of it.

2 Answer any two out of the following. **2×10=20**

- (a) Define Prescription. Write in detail about the parts of prescription with layout.
- (b) Define Emulsion and explain in detail about instability of Emulsion with its methods to overcome it.
- (c) Describe in detail about Physical Incompatibility.

3 Answer any 7 out of the following : $7 \times 5 = 35$

- (a) Define suspension and explain in detail about theory of suspension.
- (b) Define powder dosage form and give its advantages and disadvantages.
- (c) Define Posology, Explain the factors affecting to the fixation of dosage.
- (d) Define Ointment and explain in detail about ointment base.
- (e) Write a brief account on Gel.
- (f) Define suppositories and explain about various types of suppository base.
- (g) Write in detail about the factors affecting solubility and explain any one methods to enhance aqueous solubility.
- (h) Describe the methods of preparation for creams.
- (i) Describe Pharmaceutical dosage forms.
