



BBM-M-201911

Seat No. _____

First Year D. Pharm. Examination

July - 2021

Pharmaceutics - 1.2

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Figures to the right indicate marks.
(2) Draw neat and clean diagram when required.

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

- (1) Define Emulsifying agents and give examples of it.
- (2) Define the terms: Maceration and Percolation.
- (3) Write the importance of label in the dispensing.
- (4) Define the term displacement value.
- (5) Give the auxiliary labelling condition for Ear drops.
- (6) Calculate the volume of each of 90%, 60%, 30% and water are required to produce 500 ml of 50% alcohol.
- (7) How will you calculate the dose of 15 month of child if adult dose is 500mg for a drug ?
- (8) Calculate the volume of 5 kg glycerin whose density is 1.25gm/ml.
- (9) Comment: cracking is reversible process in emulsion.
- (10) Differentiate between Flocculated suspension and Deflocculated suspension.

2 Answer following questions : (any 2 out of 3) **10×2=20**

- (1) Discuss the theory of emulsion. Explain the stability issues of emulsion in detail.
- (2) Define incompatibility. Enlist the type of incompatibilities ? Describe in brief about physical incompatibility.
- (3) Define the term suppository. Write the advantages and disadvantages of suppository. Describe in brief about the various types of suppository.

3 Answer the following questions : (any **6** out of 8) **5×6=30**

- (1) Define the term prescription. Describe the various parts of prescription in details.
- (2) Write a note on British pharmacopeia.
- (3) Discuss in details about the various test to identify the type of emulsion.
- (4) Discuss the various sources of errors while dispensing the prescription. How these errors are corrected ?
- (5) Define Mixtures. Describe the general method of dispensing of mixtures containing Indiffusible solids.
- (6) What do you mean by Posology? Explain the factors affecting the dose of drug.
- (7) Write a brief note on gargles.
- (8) Write down the advantages and disadvantages of powder. Briefly explain Effervescent Powder.
