

B. Pharm. (CBCS Pattern) Semester-I  
**BP103T - Pharmaceutics -I**

P. Pages : 2

Time : Three Hours



**GUG/W/24/10872**

Max. Marks : 75

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- Notes :
1. Diagrams and Chemical equation should be given wherever necessary.
  2. Illustrate your answers wherever necessary with the help of neat sketches.
  3. All questions are compulsory.

- 1. Solve the following. 10x2  
=20**
- 1) Define pharmacopoeia. Add note on Indian pharmacopoeia.
  - 2) Define Posology. Enlist the factor affecting dose of drug
  - 3) Calculate the quantity of sodium chloride required for 500 ml of 0.9% solution.
  - 4) Define powder and classify them.
  - 5) Define suspension with their advantages and disadvantages as biphasic liquid dosage form.
  - 6) Define Syrup, differentiate between Syrup USP & Syrup BP.
  - 7) Enlist types of Suppositories.
  - 8) Explain the mechanism of action of solubilizing agent in enhancing the solubility.
  - 9) Enlist the different parts of prescription.
  - 10) Explain in shorts different preservative used in pharmaceuticals.
- 2. Solve any two 2x10  
=20**
- a) Discuss in details Handing of the prescription & sources of errors in prescription.
  - b) Define Emulsion. Explain in details method of preparation of emulsion. Add a note on tests for determining types of emulsion.
  - c) Describe various factors which influencing dose.
- 3. Solve any seven. 7x5  
=35**
- a) Write short note on Indian pharmacopoeia.
  - b) Explain the term, isotonic, hypertonic and hypotonic solutions.

- c) Write short note on geometric dilution.
- d) Write note on Hydrotrophy and co-solvency.
- e) Explain the difference between liniment & lotion.
- f) Write a note on stability of suspension and methods to overcome.
- g) Describe the various tests for evaluation of suppositories.
- h) Write short note on therapeutic incompatibility.
- i) Write various method of preparation of ointment.

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