

Total No. of Pages : 02

Total No. of Questions : 13

B.Pharma (2017 & Onwards) (Sem.-1)

PHARMACEUTICS I-THEORY

Subject Code : BP-103T

M.Code : 74646

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains THREE questions carrying TEN marks each and student has to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and student has to attempt any SEVEN questions.

SECTION-A

1. Answer briefly :

- What is a prescription?
- Mention the formula for calculating dose for a child on the basis of age.
- What are deliquescent drugs? Give two examples.
- What is a dusting powder?
- What are anti-oxidants? Give two examples of water soluble antioxidants.
- What is a mouthwash? Mention the ingredients of a mouthwash.
- What is meant by displacement value with respect to suppositories?
- Define a suspension and give examples of suspending agents.
- What is meant by adjusted incompatibility?
- What are gels?

SECTION-B

2. The following eye drop has to be prepared: Naphazoline HCl (0.02%), Zinc sulphate (0.25%), P. water qs 30 ml. How much sodium chloride should be added to make the preparation isotonic with tears. (Given 'E' value of Naphazoline HCl is 0.27 and that of Zinc sulphate is 0.15).
3. Enumerate different parts of a prescription and their significance. Highlight the causes of errors while filling a prescription.
4. Differentiate between a flocculated and deflocculated suspension. Highlight the parameters evaluated for determining the stability of a suspension.

SECTION-C

5. Write a note on career prospects in pharmacy education.
6. What are effervescent powders? Give examples of such materials and describe the method of dispensing effervescent granules.
7. Write a note on preservatives used for liquid preparations.
8. Enumerate solubility enhancement techniques and discuss any one with example.
9. Define gargles. Mention the ingredients in a gargle.
10. Distinguish liniments from lotions.
11. Write briefly about stability testing of emulsions.
12. Classify chemical incompatibilities with examples.
13. Discuss non melting bases with examples for pessaries.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.