

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 13

B.Pharma (Sem.-1)
PHARMACEUTICS-I THEORY

Subject Code : BP-103T

M.Code : 74646

Date of Examination : 14-01-23

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 :

- a) What are elixirs? Mention the uses of elixirs.
- b) Mention the formula for calculating dose for a child on the basis of age.
- c) What are efflorescent drugs? Give two examples.
- d) What is meant by isotonic solution?
- e) What are preservatives? Give two examples of preservatives.
- f) What is throat paint? Mention the ingredients of throat paint.
- g) Adult dose of a drug is 17.3 mg. BSA of child is 0.346. The drug is to be given four times a day Calculate each dose to be administered to the child.
- h) Give two examples of pessary bases.
- i) What is meant by tolerated incompatibility?
- j) What are pastes and how do they differ from gels?

SECTION-B

2. How many ml of a 15% w/v concentrate of benzalkonium chloride solution should be used in preparing 300 ml of a stock solution such that 15 ml diluted to 1000 ml will yield a 1: 5000 solution?
3. What are eutectic mixtures? Give examples of such materials and outline the method used for preparing an inhalation powder containing such materials.
4. Differentiate between a flocculated and deflocculated suspension. Highlight the parameters evaluated for determining the stability of a suspension.

SECTION-C

5. How many ml of 50% w/v dextrose and how many ml of 5% w/v dextrose solution are required to prepare 4.5 litres of a 10% w/v solution?
6. What are deliquescent materials? Give examples and describe the method of dispensing them in powder form.
7. Explain the steps involved during handling of prescriptions.
8. Write a note on the physiological factors influencing the penetration of drugs across skin.
9. Discuss retention and evacuant enema.
10. Define liniments and highlight the ingredients of liniments.
11. Write briefly about tests used for identifying the type of emulsion.
12. Classify physical incompatibilities with examples.
13. Discuss non-melting bases used for suppositories.

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.