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Total No. of Pages : 02

Total No. of Questions : 24

B.Pharma (2012 to 2016) (Sem.-2)
PHARMACEUTICS-I
(Dispensing & Community Pharmacy)
Subject Code : BPHM-201
M.Code : 46211

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A

Write briefly :

1. Enlist the errors in prescription.
2. Adult dose is 500 mg. Calculate the dose of four years old child.
3. Define Isotonic Solutions.
4. What are the advantages of suppositories as delivery system?
5. Differentiate between lotion and liniments.
6. What are Eutectic Mixtures? Explain using examples.
7. What is a Chemical Incompatibility?
8. Write the labeling instructions for ophthalmic preparations.
9. Is pharmacist important for community healthcare? How?
10. What is creaming in emulsion.
11. Define the following :

(a) Spirits

(b) Liniments

12. Write the equivalent metric system :

(a) 1 kilogram =.....1b (pound)

(b) 1 pint =.....ml

13. How many proof gallons are contained in 5 gallon of 70%v/v alcohol?
14. Calculate the quantity of sodium chloride required to prepare 400 ml of a 0.9% solution.
15. Explain the term "Idiosyncrasy".

SECTION-B

16. Define Emulsions. Discuss the various reasons of instability in emulsions.
17. What are Physical Incompatibilities? Discuss its various types with example.
18. Write a note on Community Pharmacy.
19. Discuss the principles involved in dispensing of :
 - a) Ophthalmic preparations
 - b) Powders
20. Discuss the various parts of prescription using an example of prescription format.

SECTION-C

21. Define Posology. Discuss in detail the various factors affecting the dose of an individual using various formulas.
22. Write note on any two :
 - a) Inorganic incompatibility
 - b) Inhalation
 - c) Maintenance of records for the purpose of retail
23. a) Define Powders. Write principle involved and procedures in dispensing powders.
 - b) What concentration of lignocaine hydrochloride will yield a solution iso-osmotic with blood plasma? (Given the freezing point of 1% w/v solution of lignocaine hydrochloride is 0.091°C).
24. Write a detailed note on oral drug delivery system.

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.