Rajiv Gandhi University of Health Sciences, Karnataka
First Semester B.Pharm Degree Examination – 02-Jun-2023

Time: Three Hours   **Max. Marks: 75**

PHARMACEUTICS – I
Q.P. CODE: 5003

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary
All the questions are compulsory

LONG ESSAYS   **2 x 10 = 20 Marks**

1. Define prescription. Explain parts of prescription with an example. Explain the handling of prescription.

   OR

   Define incompatibility. Classify with examples. Explain the physical and chemical incompatibility with examples

2. Define and classify suspension. Differentiate flocculated and deflocculated suspension. Explain Stoke's law and its importance

SHORT ESSAYS   **7 x 5 = 35 Marks**

3. Explain salient features of first edition of IP.

   OR

   Define dosage form and classify with examples

4. Give two formulae to calculate child dose. Calculate child dose using young's formula, if the child age is 4 years and adult dose is 100 mg

   OR

   Define suppositories. Write the ideal properties of suppository bases. Enlist suppository bases with examples

5. Explain simple and compound powders with example

6. Differentiate elixirs and syrups

7. List out methods of increasing solubility, explain any two methods

8. Explain identification tests for emulsions

9. Define ointment. Explain any two methods used for the preparation of ointment

SHORT ANSWERS   **10 x 2 = 20 Marks**

10. Define Emulgents. Give any four examples

11. Name any four monophasic dosage forms used internally

12. Define Synergism and antagonism

13. How many parts of 15%, 10% and 5% alcohols are mixed to prepare 8% alcohol solve by allegation method

14. Define eutectic powders. Give examples

15. Name any two antioxidants and preservatives used in monophasic liquid dosage forms

16. Mention various evaluation test for semisolid dosage form

17. Write the primary emulsion formula for fixed oils and volatile oils

18. Define displacement value. Explain its importance

19. Name the excipients used in formulation of semi-solid dosage forms

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