

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B.Pharm Degree Examination – 15-Nov-2021

Time: Three Hours

Max. Marks: 75 Marks

### 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

1. Define Posology. Explain the factors affecting selection of dose

**OR**

Define suspension. Write advantages and disadvantages. Explain the preparation of suspension containing a) Diffusible solid b) Indiffusible solid

2. Define suppository. Classify different types of suppository base. Explain preparation of cocoa butter suppository

**2 x 10 = 20 Marks**

#### SHORT ESSAYS

3. Define powders. Discuss dispensing of eutectic powder

**OR**

Discuss the identification tests for emulsions

4. Define incompatibility. Explain chemical incompatibility with an example

**OR**

Calculate by allegation method: Prepare 500ml of 30% alcohol using 50% and 15% alcohols respectively

5. Define liniment with an example. Explain preparation of a liniment.

6. Explain gum method of preparation of emulsion.

7. Define pharmacopoeia and write the silent features of I.P

8. Give any two formulae to calculate child dose with its name and criteria.

9. Define prescription and explain handling of prescription.

**7 x 5 = 35 Marks**

#### SHORT ANSWERS

**10 x 2 = 20 Marks**

10. Define displacement value with examples.

11. Define emulsion.

12. Differentiate mouth wash and gargle.

13. Define pastes and gels.

14. Give two solubility enhancement techniques with example.

15. Define simple and compound powder.

16. Name the excipients used for liquid dosage form.

17. Give example of two dosage forms which are corrected physical incompatibility.

18. Define nasal drop and ear drop.

19. Define dusting powder and eutectic powder.

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