Rajiv Gandhi University of Health Sciences, Karnataka
I Year B. Pharm Degree Examination – 15-Jun-2022

Time: Three Hours   **Max. Marks: 70 Marks**

PHARMACEUTICS (RS4)
Q.P. CODE: 2626

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any Two)   **2 x 10 = 20 Marks**

1. Explain the factors affecting dose selection. Give any two formula to calculate children dose.
2. Enlist the stability problems associated with emulsion. Discuss the causes and precaution to avoid them.
3. Define and classify incompatibility. Explain the therapeutic incompatibility with example.

SHORT ESSAYS (Answer any Six)   **6 x 5 = 30 Marks**

4. Enlist the methods of sterilization of surgical catgut.
5. Explain the Soxhlet extraction process with a neat labelled diagram.
6. Write the principle and procedure involved in the preparation of syrup.
7. How do you prepare effervescent granules by heat method?
8. Define suppositories. Describe the various methods of preparations of suppositories.
9. Define prescription. Write about the sources of errors in prescription.
10. Define suspension. Differentiate between flocculated and deflocculated suspension.
11. Write the various evaluation tests for suppositories.

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

12. Write the difference between pharmacopeia and formulary.
13. What is the ratio 90% alcohol and 30% be mixed to give 60% alcohol.
14. Write the differences between mouth washes and gargles.
15. Define infusion and decoction.
16. Define and classify dusting powders.
17. What is POP? Give its application.
18. How do you prepare 500ml of 50% alcohol from 90% alcohol?
19. Write the differences between fresh and concentrated infusion.
20. Write any four diagnostic applications of radiopharmaceuticals.
21. Write the salient features of latest edition of Indian Pharmacopeia.

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