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Rajiv Gandhi University of Health Sciences

First Year M. Pharm Degree Examination – Nov 2011

[Time: 3 Hours] [Max. Marks: 100]

INSTRUMENTAL METHODS OF ANALYSIS

PAPER III
(RS 2 & RS 3)

Q.P. CODE: 9223

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

LONG ESSAY (Answer any TWO) **2 X 20 = 40 Marks**

1. Discuss the instrumentation and procedure involved in Fluorimetry. Explain it how is more sensitive and selective compare to other spectrometric methods
2. Explain the principle and procedures involved in the quantative determination of the following group's (A) Hydroxyl (B) Esters
3. Elaborate on the quality control of radio pharmaceuticals with examples

SHORT ESSAY (Answer any FIVE) **5 X 10 = 50 Marks**

4. What is MBTH reagent? Which types of drugs can be determined by this reagent?
5. How will you determine sodium and potassium by flame photometry
6. Discuss the assay of clotrimazole and tinidazole in multicomponent dosage forms
7. Explain the validation parameters of HPLC techniques
8. Discuss quantitative analysis of steroid hormones
9. Discuss the physicochemical methods of analysis of anti tubercular drugs and anti malarial drugs

SHORT NOTES **2 X 5 = 10 Marks**

10. Importance of particle size analysis in dosage forms
11. Explain Carr - price reagent

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