Rajiv Gandhi University of Health Sciences
Ph.D Entrance Examination – MARCH-2019

[Time: 90 Minutes]   [Max. Marks: 50 Marks]

Faculty : Pharmacy
Subject : Pharmaceutical Analysis
PAPER – II
Q.P. CODE: P001
Your answers should be specific to the Questions asked.

Answer All The Questions   **10 X 05 = 50 Marks**

1. Give the principle and applications of Ultra Performance Liquid Chromatography.

2. Write briefly on spin-spin coupling.

3. Write the significance of Bragg's law.

4. Enlist various gels used in size exclusion chromatography.

5. Explain the solvent effect on λmax in UV spectroscopy.

6. Give the pharmaceutical applications of High Performance Thin Layer Chromatography.

7. Write short notes on fingerprint region in IR spectrum.

8. How do you differentiate normal phase and reverse phase chromatography.

9. Write the principle and applications of Mass spectroscopy.

10. Write briefly on flame atomizers.

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