Code No: PAQA32A/R13

M. Pharmacy II Semester Regular/ Supplementary Examinations, July-2016

ADVANCED PHARMACEUTICAL ANALYSIS-II

(Common to PA & QA, QA & RA, PA & QC and PA)

Time: 3 Hours **Max. Marks: 60**

Answer any FIVE Questions
All Questions Carry Equal Marks

1.	a	What do you mean by coupling constant? Explain factors influencing the coupling constant.	4
	b	Explain testing of closures as per IP.	8
2.	a	Write in detail about interpretation of mass spectra	8
	b	Explain the Principle and working of Quadrupole mass analyzer.	4
3.	a	Explain the principle, applications of X-ray fluorescence spectrometry.	6
	b	Write the principle and theory involved in Raman spectroscopy.	6
4.	a	Explain the principle and procedure involved in the quantitative estimation of sulphamethoxazole.	6
	b	Explain the principle and procedure involved in the quantitative estimation of estrogens.	6
5.	a	Write the principle involved in Oxidation followed by charge transfer reaction with an example.	6
	b	Explain the principle and applications of MBTH reagent.	6
6.	a	Explain the principle and procedure involved in the qualitative and quantitative estimation of drugs using Gibb's reagent	6
	b	Explain the principle and procedure involves in the qualitative and quantitative estimation of drugs using FC reagent.	6
7.	a	Explain Quality control methods for capsules.	6
	b	Explain COSY experiment in 2D NMR.	6
8.	a	Explain principle and instrumentation of electron spin resonance spectroscopy.	6
	b	Explain generation of plasma in Inductively coupled plasma-atomic emission spectroscopy.	6

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