

**FACULTY OF PHARMACY****M. Pharmacy (Pharma. Analysis) I-Semester (PCI) (Supple.) Examination, August 2018****Subject: Food Analysis****Time: 3 Hrs****Max. Marks: 75****Note: Answer any five questions. All questions carry equal marks.**

- 1 (a) Explain determination of Ash and mineral constituents in food materials. (8)  
(b) Define and classify proteins. Explain Kjeldahl method for determination of overall protein concentration in food Samples. (7)
- 2 (a) Discuss the principle, procedure and significance of acid value. (7)  
(b) Explain any two methods for determination of Vitamin B<sub>1</sub> (8)
- 3 Write abt the following  
(a) Analysis of thickening and jelling agents. (7)  
(b) Method of detection of permitted and non permitted dyes. (8)
- 4 Explain the following methods for determination of fat in milk. (15)  
(a) Gerber method  
(b) Rose- Gottlieb method
- 5 (a) Explain the multi residue gas chromatographic method for determination of synthetic pyrethroid in fruits and vegetables. (8)  
(b) Write a note on BIS and AGMARK. (7)
- 6 Write abt the following.  
(a) Determination of titrable acidity in dried milk. (8)  
(b) Analysis of preservatives (7)
- 7 Explain different methods for determination of Vitamin B<sub>12</sub> (15)
- 8 Explain the determination of ethanol and methanol in wine samples. (15)

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