

Code No. 1153/PCI

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

- 1 Define carbohydrates? Explain various methods for determination of carbohydrates. (15)
- 2 (a) List the quality control tests for fats and oils. Explain the principle, procedure and significance of saponification value. (7)  
(b) Explain any two methods for determination of vitamin A. (8)
- 3 Write about the following.  
(a) Analysis of preservatives. (8)  
(b) Analysis of different flavors and flavor enhancers. (7)
- 4 (a) Explain the Gerber method for analysis of fat in milk. (7)  
(b) Explain Kjeldahl method for determination of protein in ice creams. (8)
- 5 Explain various methods for determination of organophosphorus and organochlorine pesticides in fruits and vegetables. (15)
- 6 (a) Give any two methods for determination of Vitamin B<sub>12</sub>. (10)  
(b) Explain 2, 6 dichloro phenol indophenol method for determination of Vitamin C. (5)
- 7 Write about the following  
(a) BIS and AGMARK. (8)  
(b) Determination of salt content in butter by Volhard's method. (7)
- 8 (a) Explain the Karl Fischer method for determination of moisture in proteins. (7)  
(b) Explain the determination of Ethyl alcohol content in Beer. (8)

\*\*\*\*\*