Subject Code: B4101/R10

IV B.Pharmacy I Semester Supplementary Examinations Nov. - 2016

PHARMACEUTICAL ANALYSIS-II

Time: 3 hours **Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

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1. (a) What are transitions? Explain the types of transitions.
   (b) Define Hooke's law. Illustrate the law with suitable example.
   [9+6]
2. (a) Explain the principle of NMR.
   (b) Write a note on Mass Analyzers.
   [6+9]
3. (a) Discuss the principle of DSC and its applications
   (b) Give the principle involved in DTA
   [8+7]
4. (a) Write the working principle of Hollow Cathode Lamp.
   (b) Compare and contrast emission spectroscopy with absorption spectroscopy.
   [8+7]
5. (a) Give the principle and applications of ORD.
   (b) Discuss the principle and applications of Radio Immuno Assays.
   [7+8]
6. (a) Write a note on visualizing agents used in TLC for detecting spots.
   (b) Discuss about the ion exchange resins.
   [8+7]
7. (a) Explain the working principle of detectors used in GC with suitable diagrams.
   (b) Differentiate HPLC and HPTLC.
   [10+5]
8. (a) Discuss in detail the principle involved in gel electrophoresis.
   (b) Give the applications of electrophoresis.
   [10+5]

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