

Ahmed Nawaz Khan

Jaypee University of Information Technology, Wanknaghat  
Final Test  
Summer Semester-June 2016  
B.Pharm 8<sup>th</sup> Sem

Course Code: 12B1WPY835  
Course Name: Analytical techniques  
Course Credits: 3

Max. Marks: 50

Max. Time: 2hrs

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*Note: All questions are compulsory*

1. Write a note on Electron Spin Resonance spectroscopy. (8Marks)
2. Describe the instrumentation of NMR with a neat diagram. (8Marks)
3. Write in detail about work principle and application of Fluorimeter. (8Marks)
4. What is Electrophoresis? Explain the principle, mechanism and application. (8Marks)
5. Write a short note on Ultra centrifugation. (8Marks)
6. Write the principle, instrumentation and applications of UV-Vis Spectrophotometry. (10 Marks)