

College of Engineering, Pune
Shivajinagar
(MT9003) – Modern Chemical Analysis Methods
End Semester Exam

Year: T.Y.B-Tech
Academic Year: 2013-14
Duration: 1.5 Hours

Branch: Metallurgy
Date: 13th November 2013
Max Marks: 60

Instruction to candidates:

1. All questions are compulsory.
 2. Marks given to the right side indicate full marks.
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- Q.1. Differentiate between Chemical methods and Instrumental methods. [4]
- Q.2. Explain following terms: [4]
- a) Chopper in AAS
 - b) High voltage supply in VES
- Q.3. Give different criteria for selection of particular method for particular analysis [3]
- Q.5. Give applications of Gas Chromatography [4]
- Q.6. With help of diagram explain instrumentation of ICP-AES [4]
- Q.7. What are different X-Ray techniques? Brief about each on following points [6]
- Principle
 - Method
 - Applications
- Q.8. Write note on - X –Ray production/ source [5]
