

**U.G. 5th Semester Examination - 2021****CHEMISTRY****[HONOURS]****Discipline Specific Elective (DSE)****Course Code : CHEM(H)-P-DSE-1B/PR****[PRACTICAL]**

Full Marks : 20

Time : 2 Hours

*The figures in the right-hand margin indicate marks.*

1. Answer any **two** questions: 10×2=20
- a) How would you determine the amount of free acids in Ammonium sulphate fertilizer? 10
  - b) Discuss the complexometric estimation of  $\text{CaCO}_3$  and  $\text{MgCO}_3$  in Dolomite. 10
  - c) Describe the methods for the determinations of calcium and silicon in cement. 10
  - d) Discuss the method of estimation of free phosphoric acid in superphosphate. 10
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