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UG/2nd Sem/CHEM/G/19(Pr)

2019

B.Sc. (General)

2nd Semester Examination

**CHEMISTRY**

Paper - DSC 1BP

[Practical]

Full Marks : 20

Time : 2 Hours

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers  
in their own words as far as practicable.*

1. Determine heat capacity of calorimeter for  
different volumes. 12

Or

Determine enthalpy of ionisation of acetic acid.

Or

Determine enthalpy of hydration of copper  
sulphate.

Or

[ Turn Over ]

( 2 )

Measure pH of different solutions like fruit Juice, aerolated drinks etc. (supplied by the examiner) using  $p^H$  meter.

Or

Prepare a buffer solution with either sodium acetate-acetic acid or Ammonium Chloride-ammonium hydroxide, and measure pH of buffer solutions and compare the values with theoretical values.

Or

Purify a given organic compound by crystallisation or distillation and determine the melting point or boiling point.

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|---------------|---|
| 2. LNB.       | 2 |
| 3. Viva-Voce. | 3 |
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