



## **Question Paper**

## **B.Sc. Honours Examinations 2020**

(Under CBCS Pattern)

Semester - I

Subject: CHEMISTRY

Paper : C 1-T & C 1-P

**Organic Chemistry - I** 

Full Marks : 60 (Theory-40 + Practical-20) Time : 3 Hours

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Answer any *two* questions :

1. (a) Write significance of DBE. Calculate DBE of the compound  $C_7H_5NO_3$ .

(b) Define enantiomeric excess (ee). If a mixture shows 97% ee what would be the ratio of two isomers ?

 $2 \times 20 = 40$ 

(c) Define specific rotation and explain the terms.

(d) Give R & S-nomenclature of the following compounds.







2.



