



# SHREE H. N. SHUKLACOLLEGE OF SCIENCE

(AFFILIATED TO SAURASHTRA UNIVERSITY)

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## T.Y. B.Sc. Chemistry

### Sem: 6 (C-603) – unit test-1

#### Chromatography

[Time: \_\_\_\_ Minutes]

Date: 29/01/2022

[Total Marks: 30]

Instruction: 1. All questions are compulsory.  
2. The right-side figure indicates total marks of the question.

Q.1 Answer the following Questions. (5 Mark each)

[30]

1) Give definitions:

a) Stationary phase

b) Mobile phase

c) Elution

d) Effluent

e) Chromatogram

2) Explain in detail : GLC

3) Explain ascending paper chromatography in detail.

4) Explain method of preparation of Chromatographic plate for TC.

5) Explain adsorption chromatography in detail.

6) Explain R<sub>f</sub> value in paper Chromatography. Give formula for calculation of R<sub>f</sub> value.