

Roll No ..

EI-5001 (CBGS)

B.E. V Semester

Examination, November 2018

Choice Based Grading System (CBGS)

Analytical and Industrial Instruments

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt five questions.
ii) All questions carry equal marks.
iii) Assume any missing data. -

Unit - I

1. a) Discuss Choice Instrumented Analysis. 7
b) Explain laws of photometry. 7

OR

2. a) Explain Gas chromatography. 7
b) Discuss GC Detectors. 7

Unit - II

3. a) Discuss Flame Photometry. 7
b) Explain plasma excitation sources. 7

OR

4. Explain Atomic Absorption spectrophotometers. 14

Unit - III

5. a) Discuss measurement of pH value. 7
b) Discuss measurement of conductivity. 7

OR

6. Discuss Incubators, Stirrers and Densitometer. 14

Unit - IV

7. a) Explain Calorimeter. 7
b) Discuss Rapid scanning spectrophotometers. 7

OR

8. Explain IR spectrophotometers. 14

Unit - V

9. Explain Mass spectrometer. 14

OR

10. Explain X-Ray diffractometer. 14
