

Vitthalbhai Patel & Rajratna P.T.Patel Science College, V.V.Nagar

Internal Test: 2017(Semester V)

Date: 04-10-2017

Sub: Microbiology (USO5C MIC-02)

Total Marks: -25

Time: 11-00 a.m. to 12-30 p.m.

Q-1 Attempt the following multiple choice questions.

(03)

(1) Who introduced atomic absorption spectroscopy?

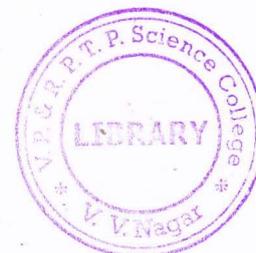
(a) Martin Syge (b) L. L. Clark (c) Alan Walsh (d) T. Tswett.

(2) Which of the following is the gravitational force of earth?

(a) 880 cm/sec<sup>2</sup> (b) 980 cm/sec<sup>2</sup> (c) 1200 cm/sec<sup>2</sup> (d) 1350 cm/sec<sup>2</sup>

(3) What is the other name of Molecular sieve Chromatography?

(a) Gel filtration (b) TLC  
(c) Absorption (d) Affinity



Q-2 Attempt the following (any two)

(04)

(1) What is nephelometry?

(2) What do you mean by isoelectric point?

(3) Write the difference between partition and adsorption chromatography.

Q-3 Explain principle, instrumentation and application of IR spectroscopy.

(06)

OR

Q-3 Explain principle, instrumentation and application of Atomic absorption spectroscopy.

(06)

Q-4 Write a note on Density gradient centrifugation.

(06)

OR

Q-4 Explain principle, materials and application of SDS-PAGE.

(06)

Q-5 Discuss the principle, working and application of Ion exchange Chromatography.

(06)

OR

Q-5 Discuss the principle, working and application of Gas Liquid chromatography.

(06)