P. S. SCIENCE & H. D. PATEL ARTS COLLEGE, KADI
Internal Examination
B. Sc. Semester – VI (MARCH 2019)
Biotechnology:-BT-604
Analytical techniques in Biotechnology

DATE - 08/03/19 **[Mark:40]** **[2Hrs]**

Q.l: Each Question having 1 mark. **(1*10 = 10)**

1. What is role of QA personnel in GLP?
2. Define immobilization.
3. ___ and ____are components of Biosensor
4. Give the full form of SOP
5. Give examples of matrix used in Immobilization.
6. Write down two characteristics of Ideal Biosensor.
7. Give the full form of 'MALDI'.
8. Mass spectrometers are used to determine which of the following?

a) composition of sample b) concentration of elements in sample
c) Relative mass of atoms d) properties of sample

9. The term used to refer something 'performed on computer or computer simulation'

a) Dry lab b) Wet lab
c) Invitro d) Insilico

10. Give the full form of SEM.

Q-2; Write down any four and each having 5 marks (20)

l. Explain TEM microscopy.
2- Draw the labeled diagram of Mass spectroscopy.
3. Explain any two methods of Immobilization,
4. Write about different Analysis and their Principles.
5. Explain the types of Bioreactors used for Immobilization.
6. Describe about Human Genome Project.

Q-3: Write down any one and each having l0 marks (10)

1. Explain biosensors in detail.
2. Describe the basic principal of Good laboratory Practices.