P.S.SCIENCE & H.D.PATEL ARTS COLLEGE, KADI

INTERNAL EXAMINATION

B.Sc. SEM - VI [Marks 40]

09/03/2018 Biotechnology 604 [1.45 to 3.45]

Que-1: Each Question having a 1 mark. **(10)**

1. Give the full form of SOP
2. Define Immobilization.
3. Write down two characteristics of Ideal Biosensor.
4. What is role of QA personnel in GLP?
5. Give examples of matrix used in Immobilization.
6. _____ and _____ are components of Biosensor

7 to 10 match the following

7. Mass Analyzer- Piezoelectric Transducer
8. Biosensor-Scanner
9. SEM- Immobilized Enzyme
10. Atomic Force Microscopy- Electron Gun

Que-2: Write down any four and each having 5 marks **(20)**

1. 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. Write a note on Qualitative Analysis of analyte.

Que-3: Write down any one and each having 10 marks **(10)**

1. Explain Biosensors in Detail.
2. Describe the basic principal of Good laboratory Practices.