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(20620) Roll No.
B.Sc.(Biotech.)-III Year

NS-3476 (CV)

B.Sc. (Biotechnology) Examination, June- 2020 Nanobiotechnology (B-304)

Time : Two Hours] [Maximum Marks : 75

Note: Attempt any **four** questions. **All** questions carry equal marks.

1. Explain the working of SEM with the help of suitable diagrams.
2. What is Nano biotechnology? Explain its application and scope.
3. Give a detailed account of viruses or nanoparticles.
4. What is Biomedical polymer? Explain their uses in pharmaceuticals.
5. Give a general account of nano particle based immobilization assays.

6. Write notes on -

- (i) Nano batteries
- (ii) Anti aids drugs

7

What is Biosensor? Explain the principle used in the construction of micro electronic device sensors.

8

Write notes on :

- (i) Artificial blood
- (ii) AFM

9

Write notes on :

- (i) Immuno Toxins
- (ii) Microwave synthesis of materials

10. What do you mean by Immuno nano technology? Describe any three achievements of scientists in this field.