

Department of Botany, Shivaji College
Internal test
DSC Analytical Techniques in Plant Sciences (UPC: 42167904)
B. Sc. (Life Science) VI Sem; Section A

Date: April 18, 2024

Duration: _____ Max Marks: _____

Name of Student: _____ College Roll No. _____

Attempt all questions.

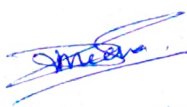
1. Stepwise fractionation of cell organelles is achieved by centrifugation.
2. As a result of a density gradient centrifugation experiment of a cell homogenate, mitochondria are layered above the layer of nuclei because of mitochondria's
3. The sedimentation coefficient of tetrameric haemoglobin is than its monomeric counterpart.
4. Schlieren optics installed in an analytical centrifuge measures of the sample in real-time.
5. Application of vacuum in an makes extremely high RPM possible.
6. density centrifugation made possible the separation of radiolabeled DNA from the non-labelled DNA in the experiment performed by Meselson and Stahl.
7. gel is most commonly used for western blotting
8. If proteins are separated according to their electrophoretic mobility then the type of electrophoresis is:

a) SDS PAGE b) Affinity Electrophoresis c) Electro focusing d) Free flow electrophoresis
9. Which kind of Chromatography applied for the separation of Molecular on the basis of their **molecular size and shape**?

Answer:.....

10. For the Separation of **specific antigen** which kind of chromatography is used?

Answer:.....


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