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**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**

(For Candidates admitted from 2019-2020 onwards)



UG DEGREE EXAMINATIONS APRIL - 2021

B.Sc., – FORENSIC SCIENCE

INSTRUMENTATION

Time: 3 Hrs

Max.Marks: 75

PART - A

CHOOSE THE CORRECT ANSWER

(10X1=10)

1. Emission without a change in spine multiplicity is....
 - a) Phosphorescence
 - b) Fluorescence
 - c) Spin forbidden
 - d) Intersystem crossing
2. Differential Centrifugation is based on the differences in-----of biological particles.
 - a) Size
 - b) Sedimentation rate
 - c) Weight
 - d) Mass
3. On a Compound Microscope, there is a rotating part containing three different objective lenses, what is the part called?
 - a) Eyepiece
 - b) Nosepiece
 - c) Focus Knob
 - d) Stage
4. The resolving power of TEM is derived from-----
 - a) Electrons
 - b) Specimens
 - c) Power
 - d) Occular System
5. What is the wavelength range of UV spectrum of Light?
 - a) 400nm-700nm
 - b) 700nm – 1mm
 - c) 0.01nm- 10nm
 - d) 10nm-400nm
6. Which of the following main component of mass spectroscopy deal with resolving the ions into their characteristics mass components according to their mass-to-charge ratio?
 - a) Ion Source
 - b) Analyzer
 - c) Detector System
 - d) Analyzer Tube
7. In which type of chromatography, the stationary phase held in a narrow tube and the mobile phase is forced through it under pressure?
 - a) Column Chromatography
 - b) Planar Chromatography
 - c) Liquid Chromatography
 - d) Gas Chromatography
8. Which of the following type of Chromatography involves the separation of substances in a mixture over a 0.2mm thick layer of absorbent?
 - a) Gas Liquid
 - b) Column
 - c) Thin Layer
 - d) Paper

