

Dantan II Govt. General Degree College
Assignment set for internal evaluation

Paper C9 , sem 4 , Elements of Modern Physics

Gr A theory

- 1.1 What is matter wave , find out its group velocity and phase velocity .
- 1.2 Discuss the characteristics of photo electric effect with proper diagram .
- 1.3 Discuss Davison Germer experiment on the basis of matter waves.

Or

- 2.1 What is binding energy and binding fraction , discuss the binding fraction curve
- 2.2 What is stability of nucleus and how the stability depends on size and shape . Discuss stability curve .

Gr B practical

- 1.1 Discuss Milikan s oil drop experiments with apparatus set up .

Or

- 1.2 Determine the experiments to find out Ionization potential for mercury