

# R.S.P College Jharia

Department of Physics

Semester II Physics (Hon's)

Internal Exam: CC3 Elec and Magnetism

F.M 20

All question carries equal marks

Q1. Deduce Gauss's Law in integral and Differential form .

Or

What is Kirchhoff's law?

Q2. What is Ballistic Galvanometer ? explain its working

Or

What is Norton And Thevenin Theorem ?

# **R.S.P college Jharia**

Department of Physics

Semester II Physics (Hon's)

Internal Exam: CC4 Waves and Optics

F.M 20

All question carries equal marks

Q1. What is plain Progressive wave deduce its expression.

Or

Deduce relationship between group velocity and Phase velocity

Q2. What is Michelson Interferometer ? Explain its working

Or

What is Resolving Power Grating ? Explain for Microscope .

# R.S.P College Jharia

Department of Physics

Semester II Physics (GE)

Internal Exam: G.E 2. Electricity and Magnetism

F.M 20

All question carries equal marks

Q1. What is electric potential. Deduce expression for electric field due to point charge.

Or

What is Biot savrat law.

Q2. What is faradays law?

Or

Deduce the Lenz, law.