

R.S.P College

Dept. of Physics

Internal Question

Semester VI

Core 13

F.M 20

All question carries equal marks. Write any two of them.

1. Derive Maxwell field equation.
2. Deduce Expression for transverse nature of Em wave what is relaxation time .
3. What Babinet Compensator ?
4. What is Biot's law for rotatory polarization?

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Internal Question

Semester VI

Core 14

F.M 20

All question carries equal marks. Write any two of them.

1. What is Maxwell-Boltzman distribution law?
2. What is Wien' s displacement law?
3. Explain Fermi Dirac Distribution law?
4. Expalin Rayleigh's law?

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Internal Question

Semester VI

DSE 03

F.M 20

All question carries equal marks. Write any two of them.

1. Explain Euler's lagranges equation.
2. What is Hamilton's equation?
3. Explain Special theory of relativity? Explain Lorentz Transformation.
4. What is Minkowski space ?

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Internal Question

Semester VI

DSE 04

F.M 20

All question carries equal marks. Write any two of them.

1. What is binding energy ?
2. Explain the Principle , construction and working of GM Counter.
3. What is cyclotron . Explain its working.
4. What is Gamows Theory Explain.