

Physics Question Paper: 100

Total Marks:

Q1) What is the speed of light?

Topic: Waves
Marks: 5

Q2) Define velocity and provide its basic formula.

Topic: Kinematics
Marks: 5

Q3) Explain the concept of inertia in Newtonian mechanics.

Topic: Classical Mechanics
Marks: 5

Q4) Describe the behavior of light in terms of reflection and refraction.

Topic: Optics
Marks: 5

Q5) What is the concept of quantum entanglement?

Topic: Quantum Mechanics
Marks: 10

Q6) Explain the laws of thermodynamics.

Topic: Thermodynamics
Marks: 10

Q7) Explain the concept of wave-particle duality in quantum mechanics.

Topic: Quantum Mechanics
Marks: 10

Q8) Explain the concept of magnetic fields and their applications.

Topic: Electricity and Magnetism
Marks: 10

Q9) Discuss the concept of dark matter in the universe.

Topic: Astrophysics
Marks: 10

Q10) Describe the process of nuclear fission.

Topic: Nuclear Physics
Marks: 15

Q11) Explain the concept of electromagnetic induction.

Topic: Electricity and Magnetism
Marks: 15