

Important short Questions

Class 9th (full book short question)

1. Define plasma physics.
2. Differentiate between base quantity and derived quantity.
3. What is international system of units?
4. Define prefixes with examples.
5. What is scientific notation?
6. What is least count of Vernier caliper?
7. Estimate your age in seconds.
8. Express $52 \times 10^{-10} \text{ kg}$ using prefixes.
9. Rewrite $725 \times 10^{-5} \text{ kg}$ in standard form.
10. Define translatory motion.
11. Define kinematics.
12. Define circular motion.
13. What is rotatory motion?
14. Differentiate between scalars and vectors.
15. Differentiate between distance and displacement.
16. Define uniform velocity.

17. Differentiate between speed and velocity.
18. What is retardation?
19. What is gravitational acceleration?
20. Define dynamics.
21. Define force.
22. What is inertia?
23. Define momentum.
24. State Newton's 2nd law of motion.
25. Define unit of force.
26. Differentiate between mass and weight.
27. State law of conservation of momentum.
28. Define friction.
29. Define centripetal force with example.
30. What are like parallel forces?
31. What is rigid body?
32. Define torque.
33. What is moment arm?
34. State principle of momentum.
35. What is Centre of gravity?
36. What is equilibrium?
37. Write second condition for equilibrium.

38. Define neutral equilibrium.
39. State law of gravitation.
40. What is gravitational field strength?
41. Write down the formula to find mass of earth.
42. What are artificial satellites?
43. Define unit of work.
44. Differentiate between kinetic energy and potential energy.
45. What is mechanical energy?
46. What are fossils fuels?
47. What are solar cells?
48. Write down mass energy equation.
49. Define power with its unit.
50. What is efficiency?
51. What is meant by temperature?
52. What do you mean by heat?
53. Hat is an internal energy?
54. Change 300 K to Celsius scale of temperature.
55. Convert 100 °F into the temperature on Celsius scale.
56. Define heat capacity.
57. What is latent heat of fusion?

58. Define evaporation.
59. Define coefficient of linear thermal expansion of substance.
60. Write important features of kinetic molecular model of matter.
61. What is density?
62. Define pressure.
63. State Pascal's law.
64. What is Archimedes principle?
65. Write principle of floatation.
66. Define elasticity.
67. State young's modulus.
68. What is conduction of heat?
69. Define thermal conductivity.
70. What is rate of flow of heat?
71. Write uses of conductors.
72. Define convection.
73. What is radiation?
74. Why does a glass of chilled water become hot after sometime?
75. Write the phenomenon of global warming.