N.M.K INSTITUTIONS

CLASS: 10th   **PHYSICS BASIC CONCEPTS**

1. PHYSICS
2. MECHANICS
3. STATICS
4. DYNAMICS
5. KINEMATICS
6. KINETICS
7. SCALARS
8. VECTORS
9. DISTANCE
10. DISPLACEMENT
11. Speed
12. Instantaneous speed
13. Uniform speed
14. Variable speed
15. Average speed
16. Velocity
17. Uniform velocity
18. Non-uniform velocity
19. Instantaneous velocity
20. Average velocity

21. Acceleration
22. Motion
23. Force
24. Contact force
25. Non-contact force
26. Mechanical force
27. Magnetic force
28. Gravitational force
29. Electric force
30. Nuclear force
31. Inertia
32. Inertia of rest
33. Inertia of motion
34. Inertia of direction
35. Mass
36. Friction
37. Sliding friction
38. Rolling friction
39. Momentum
40. Weight
41. Law of conservation of momentum
42. Work
43. Energy
44. Mechanical energy
45. Heat energy
46. Light energy
47. Sound energy
48. Electrical energy

49. Nuclear energy
50. Centre of gravity
51. Regular bodies
52. Irregular bodies
53. Stability of bodies
54. Equilibrium of bodies
55. Stable equilibrium
56. Unstable equilibrium
57. Neutral equilibrium
58. Power
59. Efficiency
60. Thrust
61. Pressure
62. Fortin's barometer
63. Aneroid barometer
64. Altimeter
65. Gas monometer
66. Pascal's law
67. Archimede's principle
68. Density
69. Relative density
70. Specific gravity
71. Floatation
72. Hydrometer
73. Principle of hydrometer
74. Plimsoll lines
75. Boyle's law
76. Bernoulli's principle

77. Surface tension
78. Wave motion
79. Transverse wave
80. Longitudinal wave
81. Frequency
82. Time period
83. Wavw length
84. Sound
85. Music
86. Noise
87. Temperature
88. Specific heat capacity
89. Heat capacity
90. Conductors of heat
91. Insulators of heat
92. Thermal expansion
93. Thermometer
94. Melting point
95. Boiling point
96. Latent heat
97. Latent heat of fusion
98. Specific latent heat of fusion
99. Latent heat of vaporisation
100. Clinical thermometer