

## ECAT Physics Chapter 4 Work and Energy

Sr	Questions	Answers Choice
1	Work done is maximum when angle between force and displacement is:	A. 0 <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-size: initial; background-attachment: initial; background-attachment: initial; background-origin: initial; background-clip: initial; background-clip: initial; background-lip: initial; background-lip: initial; background-mage: initial; background-position: initial; background-position: initial; background-attachment: initial; background-origin: initial; background-lip: initial; background-origin: initial; background-clip: initial; background-lip: initial; background-position: initial; background-position: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-size: initial; background-origin: initial; background-origin: initial; background-origin: initial; background-clip: initial; ">°</span> D. None of these
2	The dimensions of work	A. [MLT <sup>-1</sup> ] B. [MLT <sup>-2</sup> ] C. [ML <sup>2</sup> T <sup>-2</sup> ] D. [MLT]
3	If we draw a graph between d(along x-axis) and F (along y-axis) and get a straight line horizontal to x-axis then area under this straight line represents:	A. Power B. Work C. Pressure D. None of these
4	Work is always done on a body when:	A. A force acts on it B. It moves through certain distance C. None of A or B is correct D. Both A and B is correct
5	Tick the conservation force:	<ul><li>A. Tension in a string</li><li>B. Air resistance force</li><li>C. Elastic spring</li><li>D. Frictional force</li></ul>
6	A field in which the work done is moving a body along closed path is zero is called:	<ul><li>A. Nuclear filed</li><li>B. Conservative field</li><li>C. Gravitational field</li><li>D. Non-conservative field</li></ul>
7	The field in which work done is moving body between two points depends upon the path followed is called:	<ul><li>A. Conservative filed</li><li>B. Non-conservative field</li><li>C. Electric field</li><li>D. None of these</li></ul>
8	SI Unit of work is	A. Nm <sup>-1</sup> B. Joule C. Nms D. Both a and b
9	Energy stored in the spring of a watch is called	A. Potential energy     B. Kinetic energy     C. Nuclear energy     D. Elastic potential
10	Area under the force displacement graph gives	A. Power B. Work C. Heat D. Energy

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