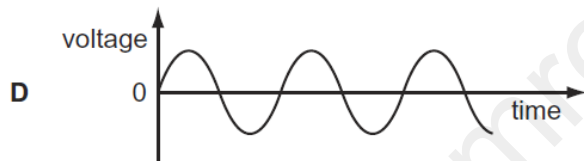
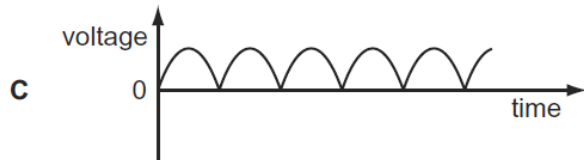
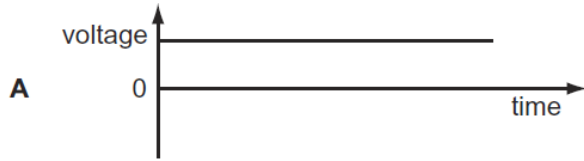


AC GENERATORS-SET-1

1

Which graph shows the output voltage from a simple a.c. generator?

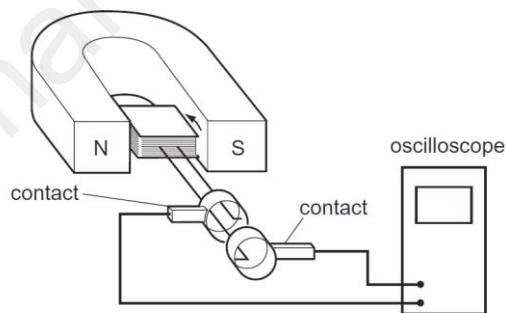


MS-1

D

2

A coil is rotated steadily between the poles of a magnet. The coil is connected to an oscilloscope, which shows a graph of voltage output against time.

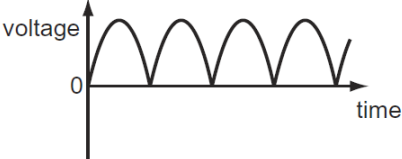
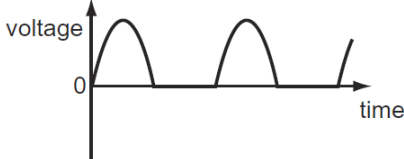
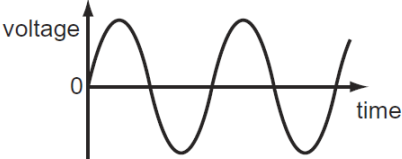
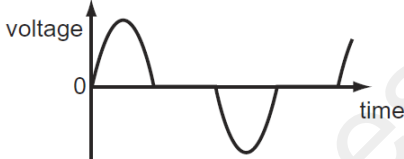


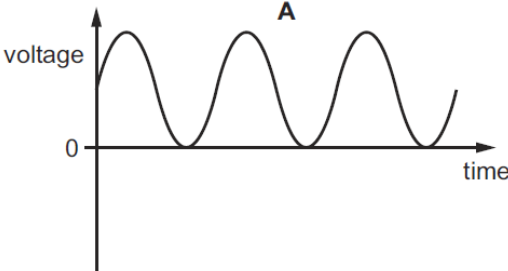
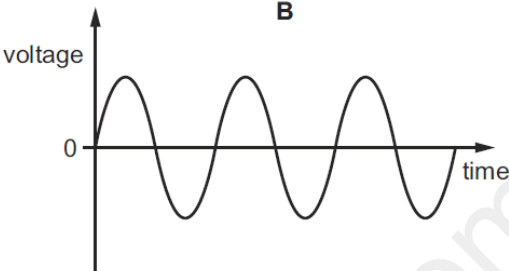
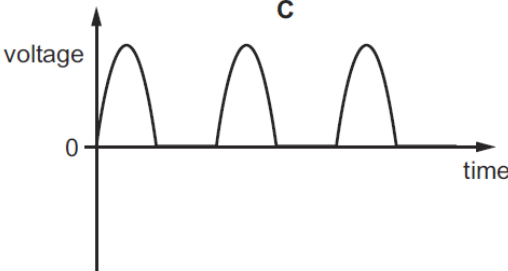
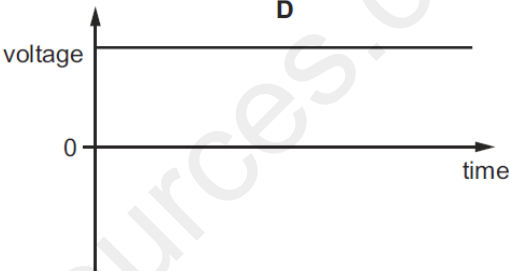
Which graph shows the voltage output against time?

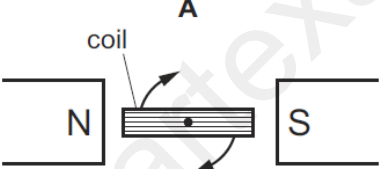
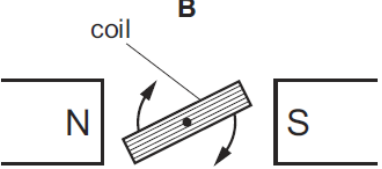
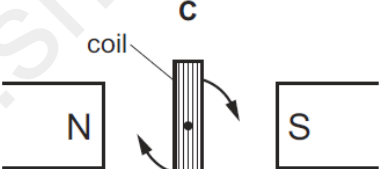
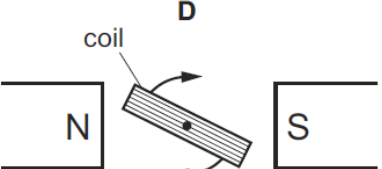


MS-2

A

3	<p>Which graph shows how the output voltage varies with time for a simple a.c. generator?</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>A</p>  </div> <div style="text-align: center;"> <p>B</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>C</p>  </div> <div style="text-align: center;"> <p>D</p>  </div> </div>
MS-3	C
4	<p>Which device uses slip rings?</p> <p>A a cathode-ray tube</p> <p>B a d.c. motor</p> <p>C an a.c. generator</p> <p>D a solenoid</p>
MS-4	C

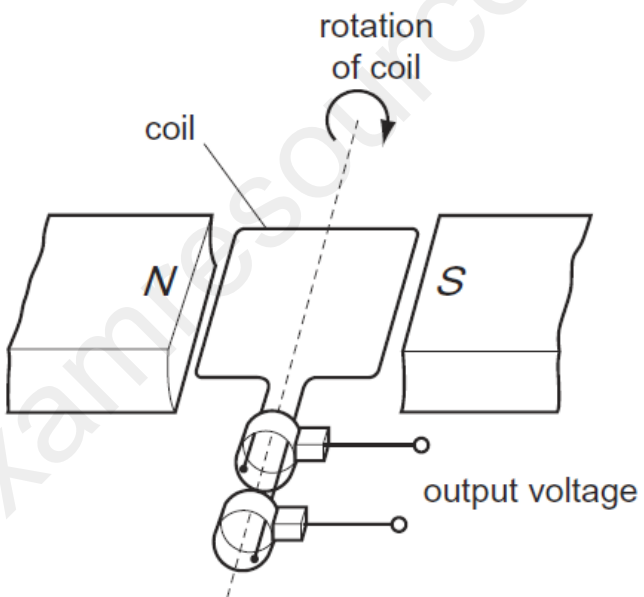
<p>5</p>	<p>Which diagram represents the voltage output of a simple a.c. generator?</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center;">  <p>A</p> </div> <div style="text-align: center;">  <p>B</p> </div> <div style="text-align: center;">  <p>C</p> </div> <div style="text-align: center;">  <p>D</p> </div> </div>
<p>MS-5</p>	<p>B</p>

<p>6</p>	<p>In an a.c. generator, a coil is rotated in a magnetic field and an electromotive force (e.m.f.) is induced in the coil.</p> <p>In which position of the coil does the e.m.f. have the largest value?</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center;">  <p>A</p> </div> <div style="text-align: center;">  <p>B</p> </div> <div style="text-align: center;">  <p>C</p> </div> <div style="text-align: center;">  <p>D</p> </div> </div>
<p>MS-6</p>	<p>A</p>

7	<p>Which parts of an a.c. generator slide past each other when the generator is working?</p> <p>A brushes and coil</p> <p>B coil and magnets</p> <p>C magnets and slip rings</p> <p>D slip rings and brushes</p>
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MS-7	D
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8	<p>The diagram shows an a.c. generator.</p>  <p>With the coil in the position shown, the output voltage is +10V.</p> <p>When does the output voltage become -10V?</p> <p>A when the coil has turned 90°</p> <p>B when the coil has turned 180°</p> <p>C when the coil has turned 270°</p> <p>D when the coil has turned 360°</p>
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MS-8	B
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