

**MARK SCHEME for the October/November 2011 question paper  
for the guidance of teachers**

**9702 PHYSICS**

**9702/13**

Paper 1 (Multiple Choice), maximum raw mark 40

Mark schemes must be read in conjunction with the question papers and the report on the examination.

- Cambridge will not enter into discussions or correspondence in connection with these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

<b>Page 2</b>	<b>Mark Scheme: Teachers' version</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>GCE AS/A LEVEL – October/November 2011</b>	<b>9702</b>	<b>13</b>

<i>Question Number</i>	<i>Key</i>	<i>Question Number</i>	<i>Key</i>
1	<b>C</b>	21	<b>B</b>
2	<b>D</b>	22	<b>B</b>
3	<b>B</b>	23	<b>C</b>
4	<b>B</b>	24	<b>C</b>
5	<b>B</b>	25	<b>B</b>
6	<b>D</b>	26	<b>C</b>
7	<b>A</b>	27	<b>D</b>
8	<b>B</b>	28	<b>A</b>
9	<b>B</b>	29	<b>C</b>
10	<b>A</b>	30	<b>A</b>
11	<b>C</b>	31	<b>C</b>
12	<b>A</b>	32	<b>A</b>
13	<b>C</b>	33	<b>D</b>
14	<b>A</b>	34	<b>A</b>
15	<b>C</b>	35	<b>A</b>
16	<b>A</b>	36	<b>D</b>
17	<b>C</b>	37	<b>B</b>
18	<b>C</b>	38	<b>B</b>
19	<b>A</b>	39	<b>D</b>
20	<b>B</b>	40	<b>B</b>