



*Scéimeanna Marcála*

*Scrúduithe Ardteistiméireachta, 2001*

*Innealtóireacht*

*Gnáthleibhéal*

*Marking Scheme*

*Leaving Certificate Examination, 2001*

*Engineering*

*Ordinary Level*

**Leaving Certificate Examinations ORDINARY LEVEL 2001  
ENGINEERING MATERIALS AND TECHNOLOGY**

**REQUIRED: ANSWER QUESTIONS 1 and 3 OTHERS**

**QUESTION NO. 1.**

**SECTION A = 30 marks**

**6 Parts @ 5 marks each**

**For 2 part answers award 3 + 2**

**SECTION B = 35 marks**

**2 parts @ 6 marks each**

**2 parts @ 11 and 12 marks each**

**(Total to equal 35 marks)**

**SECTION A – 30 MARKS**

**Give brief answers to any six of the following**

<b>QUESTION NO. 1 65 MARKS</b>	<b>(a)</b>	<b>5 Marks</b>
	<b>(b)</b>	<b>3 + 2 Marks</b>
	<b>(c)</b>	<b>3 + 2 Marks</b>
	<b>(d)</b>	<b>3 + 2 marks</b>
	<b>(e)</b>	<b>3 + 2 marks</b>
	<b>(f)</b>	<b>3 + 2 marks</b>
	<b>(g)</b>	<b>3 + 2 marks</b>
	<b>(h)</b>	<b>3 + 2 marks</b>

**SECTION B – 35 MARKS**

<b>QUESTION No. 1. 65 MARKS</b>	<b>(i) (i)</b>	<b>Good description 12 marks</b>
	<b>(i) (ii)</b>	<b>same</b>
	<b>(i) (iii)</b>	<b>same</b>
	<b>(j)</b>	<b>Good description 5 + 6 marks</b>
	<b>(k)</b>	<b>Good description 12 marks</b>
	<b>(l)</b>	<b>Award 2 @ 6 marks for any one</b>
	<b>(m)</b>	<b>Good description 2 @ 6 marks</b>

<b>QUESTION No. 2</b>	<b>(a)</b>	<b>Good description 10 marks</b>
	<b>(b)</b>	<b>Award 15 marks</b>
	<b>(c)</b>	<b>Award 10 marks</b>
	<b>(d)</b>	<b>Award 2 @ 5 marks</b>

<b>QUESTION No. 3</b>	<b>(a)</b>	<b>Name three 3 @ 2 marks Description 9 marks Diagram 5 marks</b>
	<b>(b)</b>	<b>Good description 5 marks.</b>
	<b>(c)</b>	<b>3 @ 3 marks Materials 3 @ 2 marks reasons</b>
	<b>(d)</b>	<b>Award 3 + 2 marks</b>

<b>QUESTION No. 4</b>	<b>(a)</b>	<b>Name 2 @ 5 marks</b>
	<b>(b)</b>	<b>Clear description 10 marks</b>
	<b>(c)</b>	<b>Difference 15 marks</b>
	<b>(d)</b>	<b>Award 10 marks</b>
	<b>OR (d)</b>	<b>Award &amp; 2 @ 5 marks</b>

<b>QUESTION No. 5</b>	<b>(a)</b>	<b>Award 2 @ 5 marks</b>
	<b>(b)</b>	<b>Good description 20 marks</b>
	<b>(c)</b>	<b>Name three 5 marks</b> <b>Name two 4 marks</b> <b>Name one 2 marks</b>
	<b>(d)</b>	<b>Name 2@ 5 marks</b>

<b>QUESTION No. 6</b>	<b>(a)</b>	<b>Explain 3 @ 5 marks</b>
	<b>(b)</b>	<b>Explain 10 marks</b> <b>Type of work 5 marks</b>
	<b>(c)</b>	<b>Award 3 @ 5 marks</b>
<b>OR</b>	<b>(c)</b>	<b>Award 3 @ 5 marks</b>

<b>QUESTION No. 7</b>	<b>(a)</b>	<b>Award 15 marks</b>
	<b>(b)</b>	<b>Award 15 marks</b>
	<b>(c)</b>	<b>Award 15 marks</b>
<b>OR</b>	<b>(c)</b>	<b>Award 15 marks</b>