

Centre :

Test Series : 05 MARCH 2005 SERIES J

Module : 346010 ELECTRICITY

Candidate Number :**UCI :****Candidate Name :**

For completion by the Examination Invigilator. Please fill this oval if the candidate is absent:

FOUNDATION TIER

▶ Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully. ◀

Questions ONE to FIVE: Choose **one** answer for each of the parts 1 to 4.

QUESTION ONE

	1	2	3	4
ammeter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
switch	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
thermistor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
variable resistor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO

	1	2	3	4
E	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
F	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
G	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
H	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE

	1	2	3	4
50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
100	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2000	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
120 000	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR

	1	2	3	4
generator	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
oscilloscope	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
transformer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
variable resistor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE

	1	2	3	4
P	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
R	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
S	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Questions SIX and SEVEN: Choose **two** answers for each question.

QUESTION SIX

J	<input type="radio"/>
K	<input type="radio"/>
L	<input type="radio"/>
M	<input type="radio"/>
N	<input type="radio"/>

QUESTION SEVEN

the potential difference (voltage) across the 4 ohm resistor is 0.8 V	<input type="radio"/>
the potential difference (voltage) across the 6 ohm resistor is 2.4 V	<input type="radio"/>
the potential difference (voltage) across the battery is 2 V	<input type="radio"/>
the total current in the circuit is 0.2 A	<input type="radio"/>
the total resistance is 10 ohms	<input type="radio"/>

Questions EIGHT to TEN: Choose **one** answer for each of the parts 1 to 4.

QUESTION EIGHT

	A	B	C	D
8.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION NINE

	A	B	C	D
9.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TEN

	A	B	C	D
10.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

HIGHER TIER

Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully.

Questions ONE and TWO: Choose **one** answer for each of the parts 1 to 4.

QUESTION ONE		1	2	3	4
P	1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
R		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
S		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
J	2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
K		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
L		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
M		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Questions THREE and FOUR: Choose **two** answers for each question.

QUESTION THREE		
the potential difference (voltage) across the 4 ohm resistor is 0.8 V	3	<input type="checkbox"/>
the potential difference (voltage) across the 6 ohm resistor is 2.4 V		<input type="checkbox"/>
the potential difference (voltage) across the battery is 2 V		<input type="checkbox"/>
the total current in the circuit is 0.2 A		<input type="checkbox"/>
the total resistance is 10 ohms		<input type="checkbox"/>

QUESTION FOUR		
V1 has a reading of 1 V	4	<input type="checkbox"/>
V2 has a reading of 6 V		<input type="checkbox"/>
V3 has a reading of 4 V		<input type="checkbox"/>
V4 has a reading of 6 V		<input type="checkbox"/>
V5 has a reading of 3 V		<input type="checkbox"/>

Questions FIVE to TEN: Choose **one** answer for each of the parts 1 to 4.

QUESTION FIVE		A	B	C	D
5.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

QUESTION SIX		A	B	C	D
6.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
6.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
6.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
6.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

QUESTION SEVEN		A	B	C	D
7.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
7.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
7.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
7.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

QUESTION EIGHT		A	B	C	D
8.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
8.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
8.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
8.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

QUESTION NINE		A	B	C	D
9.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
9.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
9.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
9.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

QUESTION TEN		A	B	C	D
10.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
10.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
10.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
10.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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