

Centre:

Test Series : 04 NOVEMBER 2004 SERIES D Module : 346017 ENERGY AND ELECTRICITY

Candidate Number : UCI :

Candidate Name:

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

## **FOUNDATION TIER**

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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.

Questions ONE to FIVE. Choose of	ie ans	wei	101	eaci
QUESTION ONE	1	2	3	4
black	0	0	0	0
increase	0	O	0	0
reduce	101	0	0	0
white	0	0	0	0
QUESTION THREE	1	2	3	4
current	0		0	0
frequency	0	0	0	0
potential difference (voltage)	0	0	0	0
power	0	0	0	0
QUESTION FIVE	1	2	3	4
diode	0	0	0	0
filament lamp	0	0	0	0.
LDR	0	0	0	0
thermistor	0	o	0	0

holds the cable firmly	0	0	0	0
insulates the plug	0		0	
wire inside melts if current is too high	0	0	0	0
QUESTION FOUR	1	2	3	4
coal	0	10	0	0
solar energy	0	0	0	0

QUESTION TWO connects metal case of appliance to earth

water pumped to a high level

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

QUESTION SIX all energy which is transferred eventually ends up as heat

most of the wasted energy appears as electricity

some of the wasted energy is destroyed

the wasted energy becomes spread out

the wasted energy is always available for further useful transfers

QUESTION SEVEN

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

	QUES'	TION I	EIGHT C	D
8.1	0	0	0	0
8.2	0	0	0	0
8.3	0	0	0	0
8.4	0	0	0	0

QRST

	A	STION	C	D
9.1	0			0
9.2	0	0	0	0
9.3	0	0	0	0
9.4	0	0	10	0

2	QUESTION TEN					
	A	В	C	D		
10.1	0	0	0	0		
10.2	0	0	0	0		
10.3	0	0		0		
10.4	0	0	0	0		

## 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
diode	0	0	Ö	0
filament lamp	1000	0		
LDR		0		
thermistor	0		0	

QUESTION TWO	1	2	3	4
conduction	- 0	a	0	Ó
convection	0	0	0	Ó
radiation	0	0		
vibration	. 0	0	0	0

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

	QUESTION THREE	- 3	V
P		0	
Q		0	
R		0	
5		0	
T		0	

QUESTION FOUR	
the reading on V2 is twice the reading on V1	0
the reading on V2 is three times the reading on V1	0
the reading on V3 is twice the reading on V1	0
the reading on V3 is three times the reading on V1	0
the reading on V3 is twice the reading on V2	0

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

	QUES	MOITE	FIVE	
	A	В	C	D
5.1	0	0	0	
5.2	0	0	0	0
5.3	0	Ö	0	0
5.4	0	0	0	0

	QUE	STIO	N SIX	
	A	В	C	D
6.1	0	0	0	0
6.2	0	0	0	0
6.3	0		0	0
6.4	0	0	0	0

Q	UES	TION	SEVE	N
	Α	В	C	D
7.1	0	0	0	0
7.2	0	0	0	Ó
7.3	0		0	0
7.4	0	0	0	0

QUESTION EIGHT							
	A	В	C	D			
8.1	0	0	0	0			
8.2	0	ô	0	0			
8.3	Ø	0	0	0			
8.4	0	0	0	0			

( )	QUESTION NINE						
	Α	В	C	D			
9.1	0		0	0			
9.2	0	0	0	0			
9.3		0	0	0			
9.4	0	0	0	0			

QUESTION TEN					
	Α	В	C	D	
10.1	0	.0	0	0	
10.2	0	0	0	0	
10.3	0	0	0	0	
10.4	0	0	0	0	

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