

Centre :

Test Series : 05 MARCH 2005 SERIES J

Module : 346009 ENERGY

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
conduction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
convection currents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
loss of warm air	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
radiation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO	1	2	3	4
electrical to gravitational potential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
electrical to heat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
kinetic (movement) to electrical	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
light to electrical	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE	1	2	3	4
coal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
gas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
uranium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
wood	<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"/>
steam	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
turbine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE	1	2	3	4
back of an electric fire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
fins at the back of a refrigerator	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
solar panel on a roof	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
survival bag used by mountain rescue team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION SIX				
P	<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"/>
T	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION SEVEN				
coal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
gas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
plutonium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
uranium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
wood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<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
back of an electric fire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
fins at the back of a refrigerator	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
solar panel on a roof	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
survival bag used by mountain rescue team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO	1	2	3	4
free electrons	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
particles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
waves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION THREE	
coal	<input type="checkbox"/>
gas	<input type="checkbox"/>
plutonium	<input type="checkbox"/>
uranium	<input type="checkbox"/>
wood	<input type="checkbox"/>

QUESTION FOUR	
burning fossil fuels adds to global warming	<input type="checkbox"/>
nuclear waste disposal causes long-term environmental problems	<input type="checkbox"/>
the cost of decommissioning nuclear power stations is very high	<input type="checkbox"/>
the running costs of nuclear power stations are low	<input type="checkbox"/>
the supplies of nuclear fuel are almost inexhaustible	<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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Question Paper Reference Number

1006

