

Centre :

Test Series : 05 NOVEMBER 2005 SERIES C

Module : 346015 MATERIALS AND REACTIONS

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
iron ore	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
molten iron	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
slag	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
waste gases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO

	1	2	3	4
calcium carbonate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
calcium hydroxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
calcium oxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
carbon dioxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE

	1	2	3	4
hydrocarbons are heated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
hydrocarbons vaporise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
hydrocarbons with small molecules	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
thermal decomposition occurs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR

	1	2	3	4
iron	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
mercury	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
sodium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
tungsten	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE

	1	2	3	4
metal K	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
metal L	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
metal M	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
metal N	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

limestone and substance M react when they are heated together	<input type="radio"/>
limestone and substance M react when they are mixed together	<input type="radio"/>
substance M is a mixture of clay and quicklime	<input type="radio"/>
substance M is a mixture of clay and slaked lime	<input type="radio"/>
substance M is clay	<input type="radio"/>

QUESTION SEVEN

lubricating oil flows more easily than petrol	<input type="radio"/>
lubricating oil is more volatile than petrol	<input type="radio"/>
petrol ignites more easily than diesel oil	<input type="radio"/>
the boiling point of diesel oil is higher than the boiling point of petrol	<input type="radio"/>
the hydrocarbon molecules in petrol are larger than those in diesel oil	<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
metal K	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
metal L	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
metal M	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
metal N	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO	1	2	3	4
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"/>
N	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
P	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION THREE	
lubricating oil flows more easily than petrol	<input type="radio"/>
lubricating oil is more volatile than petrol	<input type="radio"/>
petrol ignites more easily than diesel oil	<input type="radio"/>
the boiling point of diesel oil is higher than the boiling point of petrol	<input type="radio"/>
the hydrocarbon molecules in petrol are larger than those in diesel oil	<input type="radio"/>

QUESTION FOUR	
aluminium is more reactive than iron	<input type="radio"/>
aluminium is reduced	<input type="radio"/>
iron is more reactive than aluminium	<input type="radio"/>
iron oxide is reduced	<input type="radio"/>
the reaction is a neutralisation reaction	<input type="radio"/>

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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