

Centre :

Test Series : 05 NOVEMBER 2005 SERIES C

Module : 346021 AQUEOUS AND ORGANIC CHEMISTRY

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

carbon	<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"/>
carbon monoxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
hydrogen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO

1 2 3 4

calcium ions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
hydrogen ions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
hydroxide ions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
nitrate ions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE

1 2 3 4

air	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
enzymes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ethanol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
sugar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR

1 2 3 4

ammonia solution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
citric acid solution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
nitric acid solution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
sodium hydroxide solution	<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

animals and plants that live in water need dissolved oxygen	<input type="radio"/>
carbon dioxide is insoluble in water	<input type="radio"/>
carbon monoxide dissolves in water to make carbonated water	<input type="radio"/>
chlorine dissolved in water kills bacteria	<input type="radio"/>
oxygen dissolves better in warm water than in cold water	<input type="radio"/>

QUESTION SEVEN

rain water contains dissolved oxygen and carbon dioxide	<input type="radio"/>
rain water contains dissolved solids which can make it hard	<input type="radio"/>
rain water dissolves most covalent compounds	<input type="radio"/>
rain water is always soft	<input type="radio"/>
rising water vapour condenses because the temperature rises	<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	<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
chloroethene	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
melamine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
poly(ethene)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
polyvinylchloride	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION THREE	
rain water contains dissolved oxygen and carbon dioxide	<input type="radio"/>
rain water contains dissolved solids which can make it hard	<input type="radio"/>
rain water dissolves most covalent compounds	<input type="radio"/>
rain water is always soft	<input type="radio"/>
rising water vapour condenses because the temperature rises	<input type="radio"/>

QUESTION FOUR	
ethene has double bonds between carbon and hydrogen atoms	<input type="radio"/>
ethene will react with steam to produce ethanol	<input type="radio"/>
the alkenes are unsaturated hydrocarbons	<input type="radio"/>
the alkenes react with carboxylic acids to produce esters	<input type="radio"/>
the alkenes will not decolourise bromine water	<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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