

Centre :

Test Series : 05 MARCH 2005 SERIES J

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

lather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
precipitate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
scum	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
soap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO

1 2 3 4

cools	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
deposits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
dissolves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
evaporates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE

1 2 3 4

calcium sulphate	<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"/>
chlorine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
oxygen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR

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"/>
oxygen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE

1 2 3 4

ammonia solution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ethanoic acid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
nitric acid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
potassium hydroxide solution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION SIX

chlorine is insoluble in water	<input type="radio"/>
chlorine water will bleach materials	<input type="radio"/>
more chlorine dissolves in water at 60 than in the same volume of water at 30	<input type="radio"/>
the solubility of chlorine in water is greater if the pressure is increased	<input type="radio"/>
water containing dissolved chlorine is hard water	<input type="radio"/>

QUESTION SEVEN

a base in aqueous solution produces H^+ (aq) ions	<input type="radio"/>
a base is a proton acceptor	<input type="radio"/>
a base reacts with an acid to produce a salt and hydrogen	<input type="radio"/>
an insoluble base will not react with an acid	<input type="radio"/>
a soluble base is called an alkali	<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

ammonia solution

ethanoic acid

nitric acid

potassium hydroxide solution

QUESTION TWO

1 2 3 4

hydrocarbons

isomers

polymers

unsaturated

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

QUESTION THREE

a base in aqueous solution produces H^+ (aq) ions

a base is a proton acceptor

a base reacts with an acid to produce a salt and hydrogen

an insoluble base will not react with an acid

a soluble base is called an alkali

QUESTION FOUR

all carboxylic acids are insoluble in water

all carboxylic acids have the functional group $-CH_3$

all carboxylic acids react with alkalis to produce salts

hydrochloric acid is a carboxylic acid

some carboxylic acids are found in fresh fruits

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

QUESTION FIVE

A B C D

5.1

5.2

5.3

5.4

QUESTION SIX

A B C D

6.1

6.2

6.3

6.4

QUESTION SEVEN

A B C D

7.1

7.2

7.3

7.4

QUESTION EIGHT

A B C D

8.1

8.2

8.3

8.4

QUESTION NINE

A B C D

9.1

9.2

9.3

9.4

QUESTION TEN

A B C D

10.1

10.2

10.3

10.4

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