

Centre :

Test Series : 05 MARCH 2005 SERIES J

Module : 346002 MAINTENANCE OF LIFE

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

ears	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
eyes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
nose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
skin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO

1 2 3 4

produces insulin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
produces sweat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
produces urine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
receives impulses from the eye	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE

1 2 3 4

cuticle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
phloem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
root hair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
xylem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR

1 2 3 4

brain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
muscles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
response	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
stimulus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE

1 2 3 4

against the force of gravity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in the direction of the force of gravity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
towards light	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
towards moisture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION SIX

cell membrane	<input type="radio"/>
cell wall	<input type="radio"/>
chloroplast	<input type="radio"/>
cytoplasm	<input type="radio"/>
nucleus	<input type="radio"/>

QUESTION SEVEN

a high carbohydrate intake	<input type="radio"/>
careful control of diet	<input type="radio"/>
drugs to reduce glucagon concentration	<input type="radio"/>
drugs to reduce loss of ions in urine	<input type="radio"/>
insulin injections	<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

against the force of gravity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in the direction of the force of gravity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
towards light	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
towards moisture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO

1 2 3 4

cellulose molecules	<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"/>
phosphate ions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
starch molecules	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION THREE

a high carbohydrate intake	<input type="radio"/>
careful control of diet	<input type="radio"/>
drugs to reduce glucagon concentration	<input type="radio"/>
drugs to reduce loss of ions in urine	<input type="radio"/>
insulin injections	<input type="radio"/>

QUESTION FOUR

as a weed killer by disrupting the growth patterns of weeds	<input type="radio"/>
controlling fruit ripening during transport of fruits	<input type="radio"/>
helping plants to grow in very dry conditions	<input type="radio"/>
increasing the uptake of carbon dioxide by plants	<input type="radio"/>
increasing the uptake of ions from the soil by plants	<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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