

Centre :

Test Series : 06 MARCH 2006 SERIES H

Module : 346023 PHYSICS IN ACTION

**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

focus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
parallel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
real	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
sharp	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### QUESTION TWO

1 2 3 4

the heater switches on	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
the heater switches off	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
the thermistor gives a high output	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
the thermistor gives a low output	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### QUESTION THREE

1 2 3 4

AND gate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LED (light emitting diode)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NOT gate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
relay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### QUESTION FOUR

1 2 3 4

buzzer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LDR	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LED	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
relay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### QUESTION FIVE

1 2 3 4

charge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
current	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
potential difference	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
resistance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

### QUESTION SIX

LED	<input type="radio"/>
moisture switch	<input type="radio"/>
motor	<input type="radio"/>
NOT gate	<input type="radio"/>
thermistor	<input type="radio"/>

### QUESTION SEVEN

J	<input type="radio"/>
K	<input type="radio"/>
L	<input type="radio"/>
M	<input type="radio"/>
N	<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
charge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
current	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
potential difference	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
resistance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO	1	2	3	4
as shown	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
darkened	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
illuminated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
reversed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION THREE	
J	<input type="radio"/>
K	<input type="radio"/>
L	<input type="radio"/>
M	<input type="radio"/>
N	<input type="radio"/>

QUESTION FOUR	
1 is the converging lens and 2 is the flat glass sheet	<input type="radio"/>
1 is the converging lens and 3 is the flat glass sheet	<input type="radio"/>
1 is the diverging lens and 2 is the flat glass sheet	<input type="radio"/>
2 is the converging lens and 3 is the flat glass sheet	<input type="radio"/>
2 is the diverging lens and 3 is the flat glass sheet	<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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