

# PHYSICS - 2010

## Answer Book

Write your name, province and school codes and your candidate number correctly and clearly in the space provided below.

Year		Province		School			Cand. No.		
1	0								

ANSWERS WRITTEN ON THE QUESTION PAPER OR ANY OTHER PAPER WILL NOT BE MARKED.

WRITE ANSWERS NEATLY IN THE SPACES PROVIDED IN THIS ANSWER BOOKLET

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### FOR MARKERS USE ONLY

	Score	Markers' Initials	
		Marker 1	Marker 2
<b>SECTION A</b>			
<b>QUESTION 21</b>			
<b>QUESTION 22</b>			
<b>QUESTION 23</b>			
<b>QUESTION 24</b>			
<b>QUESTION 25</b>			
<b>QUESTION 26</b>			
<b>QUESTION 27</b>			
<b>QUESTION 28</b>			
<b>QUESTION 29</b>			
<b>QUESTION 30</b>			
<b>FINAL TOTAL</b>			

START YOUR WORK ON THE NEXT PAGE

**SECTION A - Answers**

**Write only the LETTER of your choice for each question.**

Q1	
Q2	
Q3	
Q4	
Q5	

Q11	
Q12	
Q13	
Q14	
Q15	

MARKER 1

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Q6	
Q7	
Q8	
Q9	
Q10	

Q16	
Q17	
Q18	
Q19	
Q20	

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MARKER 2

**SECTION B - Answers**

**Write your answer in the space provided below. Your answers must be clear and precise.**

<p><b>QUESTION 21</b></p> <p>a)</p>          <p style="text-align: right;">Ans: _____ (3)</p> <p>b)</p>          <p style="text-align: right;">Ans: _____ (2)</p> <p>c)</p> <p>_____ (1)</p> <p>_____ (1)</p> <p>d)</p> <p>_____ (1)</p> <p>_____ (1)</p>	
<p><b><i>For Markers Use Only</i></b></p>	<p><b>Q21 Total</b></p>

<p><b>QUESTION 22</b></p> <p>a) (i)</p>          <p style="text-align: right;">Ans: _____ (1)</p> <p>(ii)</p>          <p style="text-align: right;">Ans: _____ (1)</p> <p>(iii)</p> <p>_____ (1)</p> <p>(iv)</p> <p>_____ (1)</p>	
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<p>(v) _____ (1)</p> <p>b) (i) _____ (1)</p> <p style="text-align: right;">Ans: _____ (1)</p> <p>(ii) _____ (1)</p> <p style="text-align: right;">Ans: _____ (1)</p>	
<p><b><i>For Markers Use Only</i></b></p>	<p style="text-align: right;"><b>Q22 Total</b></p>

<p><b>QUESTION 23</b></p>		
<p>a) BLOCK 1</p>	<p>BLOCK 2</p> <p style="text-align: right;">(2)</p>	
<p>b)</p>	<p style="text-align: right;">Ans: _____ (2)</p>	
<p>c)</p>	<p style="text-align: right;">Ans: _____ (1)</p>	
<p>d)</p>	<p>_____ (1)</p> <p>_____ (1)</p>	
<p>e)</p>	<p>_____ (1)</p> <p>_____ (1)</p>	
<p><b><i>For Markers Use Only</i></b></p>	<p style="text-align: right;"><b>Q23 Total</b></p>	

<b>QUESTION 24</b>		
a) (i)	_____ (1)	
(ii)	_____ (1)	
(iii)	_____ (1)	
(iv)	_____ (1)	
b)		
	Ans: _____ (3)	
<b>For Markers Use Only</b>		<b>Q24 TOTAL</b>

<b>QUESTION 25</b>		
a) (i)		
	Ans: _____ (1)	
(ii)		
	Ans: _____ (1)	
(iii)		
	P.E. _____	
	K.E. _____ (2)	
(iv)		
	Ans: _____ (1)	
b)	_____ (1)	
c)	_____ (1)	
<b>For Markers Use Only</b>		<b>Q25 TOTAL</b>

<p><b>QUESTION 26</b></p> <p>a)</p>     <p style="text-align: right;">Ans: _____ (4)</p> <p>b)</p>     <p style="text-align: right;">Ans: _____ (3)</p>	
<p><b><i>For Markers Use Only</i></b></p> <p style="text-align: right;"><b>Q26 TOTAL</b></p>	

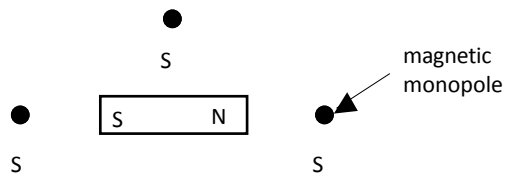
<p><b>QUESTION 27</b></p> <p>a) (i) _____ (1)</p> <p>(ii) _____ (1)</p> <p>(iii) _____ (1)</p> <p>(iv) _____ (1)</p> <p>(v) _____ (1)</p> <p>b)</p>     <p style="text-align: right;">Ans: _____ (2)</p>	
<p><b><i>For Markers Use Only</i></b></p> <p style="text-align: right;"><b>Q27 TOTAL</b></p>	

<b>QUESTION 28</b>		
a) P-waves	S-waves 	
		(4)
b) (i) Amplitude _____		(1)
(ii) Frequency: _____		(2)
		(2)
<b>For Markers Use Only</b>	<b>Q28 TOTAL</b>	

<b>QUESTION 29</b>		
a)		
	Ans: _____	(5)
b) (i) _____		(1)
(ii)		
	Ans: _____	(1)
<b>For Markers Use Only</b>	<b>Q29 Total</b>	

**QUESTION 30**

a)



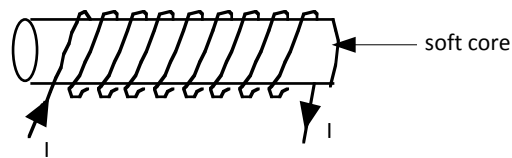
(1)

b)



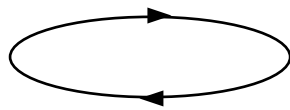
(1)

c)



(1)

d)



(1)

e)

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(1)

f) (i)

(ii)

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(2)

*For Markers Use Only*

**Q30 TOTAL**