

Index Number: _____

Year: _____

JASPER WILLIAMS HIGH SCHOOL

ANNUAL EXAMINATION 2020

YEAR 12 PHYSICS

ANSWER BOOKLET

**HAND IN THIS ANSWER BOOKLET TO THE SUPERVISOR
BEFORE YOU LEAVE THE EXAMINATION ROOM.**

**Mark
Gained:**

STRAND 1

MECHANICS

[40 MARKS]

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D

8.

(2 marks)

9. (i)

(2 marks)

(ii)

(2 marks)

(ii) Initial Velocity

(1 mark)

14. (i) Velocity

(2 marks)

(ii) Tension

(1 mark)

15. (i)

(1 mark)

(ii)

(1 mark)

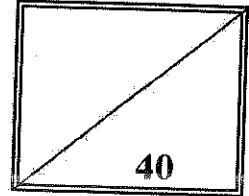
(iii)

(2 marks)

16. (i)	(1 mark)
(ii)	(1 mark)
17. (i)	(1 mark)
(ii)	(1 mark)
(iii)	(1 mark)
18.	(2 marks)
19. (i)	(1 mark)

(ii)

(2 marks)



STRAND 2

ENERGY

[10 MARKS]

1	A	B	C	D
2	A	B	C	D

3. (i)

(2 marks)

(ii)

(1 mark)

4. (i)

(1 mark)

(ii)

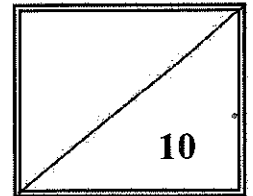
(1 mark)

5.

(2 marks)

6.

(1 mark)

**STRAND 3****FLUID STATICS****[8 MARKS]**

1	A	B	C	D
2	A	B	C	D

3. (i)

(1 mark)

(ii)

(1 mark)

(iii)

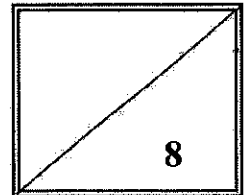
(1 mark)

4. (i)

(1 mark)

(ii)

(2 marks)



STRAND 4

GEOMETRICAL OPTICS AND WAVE MOTION

[10 MARKS]

1	A	B	C	D
2	A	B	C	D

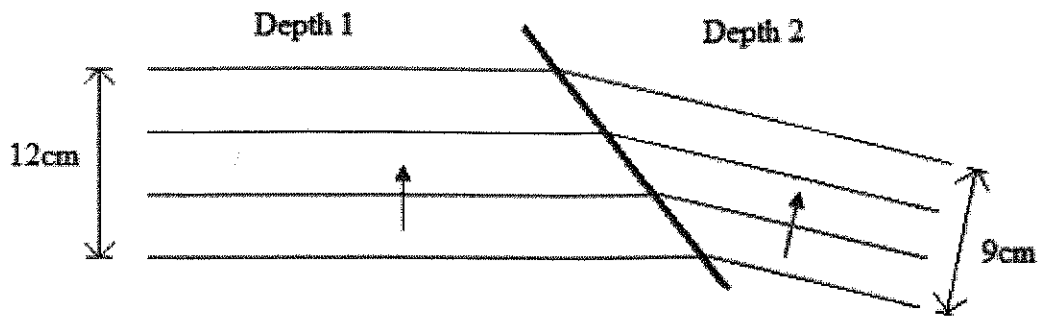
3. (i)

(2 marks)

(ii)

(1 mark)

4. (i)



(1 mark)

(ii)

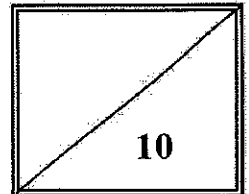
(1 mark)

(iii)

(1 mark)

5.

(2 marks)



STRAND 5

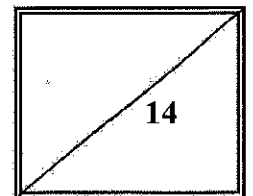
ELECTROSTATICS

[14 MARKS]

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D

4. (i)	(1 mark)
(ii)	(1 mark)
(iii)	(1 mark)
5. (i)	(2 marks)
(ii)	(1 mark)
(iii)	(1 mark)

6. (i)		(1 mark)
(ii)		(1 mark)
7. (i) Fuse		(1 mark)
(ii)		(1 mark)

**STRAND 6****ELECTROMAGNETISM****[10 MARKS]**

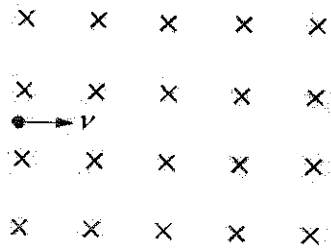
1	A	B	C	D
2	A	B	C	D

3. (i)		(1 mark)
(ii)		(1 mark)

(iii)

4. (i)

(1 mark)



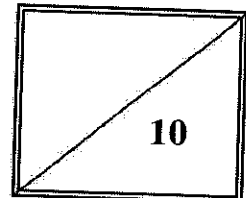
(ii)

(1 mark)

(iii)

(2 marks)

(2 marks)



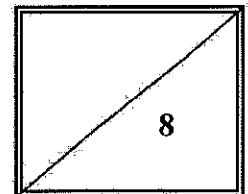
STRAND 6

ATOMIC PHYSICS

[8 MARKS]

1	A	B	C	D
2	A	B	C	D

3. (i)	(1 mark)
(ii)	(1 mark)
(iii)	(1 mark)
4.	(2 marks)
5. Photoelectric effect	(1 mark)



THE END