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LEVEL: _____

JASPER WILLIAMS HIGH SCHOOL

ANNUAL EXAMINATION 2020

YEAR 12 BIOLOGY

ANSWER BOOKLET

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

Marks

Gained:

STRAND 1: STRUCTURE AND LIFE PROCESSES

[64 marks]

Circle the letter which represents the best answer.

(14 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	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D

15. X- _____ **(1 mark)**

Fate - _____

(1 mark)

16. Explanation

(2 marks)

17. Number of cells

(2 marks)

18. (i) Process at A - _____ (1 mark)
 (ii) Component - _____ (1 mark)
 (iii) Anticodons - _____ (1 mark)

19. (i) Explanation

 _____ (1 mark)

- (ii) Explanation

 _____ (1 mark)

- (iii) Factor - _____ (1 mark)

20. (i) Genotypes

Male - _____ Female - _____ (1 mark)

- (ii)

percentage of the F1 offspring - _____ (2 marks)

- (iii)

(1 mark)

21. (i) reproductive isolation

(1 mark)

(ii) Description

(1 mark)

(iii) Difference

(1 mark)

22. Two ways

I- _____

II- _____

(2 marks)

23. Explanation

(2 marks)

24. (i) Difference

(1 mark)

(ii) Explanation

(1 mark)

(iii) Reasons

I-

II-

(2 marks)

25. Explanation

(2 marks)

26. (i) Function of E

(1 mark)

(ii) Name -

Function -

(1 mark)

27. (i) Reason

(1 mark)

(ii) Explanation

(1 mark)

(iii) Explanation

(1 mark)

28. (i) Name - _____

Role - _____

(1 mark)

(ii) Observation

(1 mark)

(iii) Explanation

(1 mark)

29. (i) Stage of cell division

(1 mark)

(ii) syndrome - _____

(1 mark)

(iii) one characteristic- _____

(1 mark)

30. (i) Name - _____

(1 mark)

(ii) Explanation

(1 mark)

(iii) Temperature - _____

(1 mark)

31. (i) courtship behaviour

(1 mark)

(ii) Advantage

(1 mark)

(iii) Problems

I- _____

II- _____

(1 mark)

32. (i) alternation of generation

(1 mark)

(ii) B - _____

(1 mark)

(iii) structure of the moss

I- _____

II - _____

(2 marks)

MARKS for STRAND 1

(64 marks)

Multiple-Choice	Short Answers	SI TOTAL*
14	50	64

STRAND 2

LIVING TOGETHER

[14 marks]

Circle the letter which represents the best answer.

(3 marks)

1	A	B	C	D
2	A	B	C	D

3	A	B	C	D
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4. (i) distribution pattern - _____ (1 mark)

(ii) Factor

(1 mark)

5. (i) Order - _____ (1 mark)

(ii) Example - _____ (1 mark)

(iii) Pond - _____ (1 mark)

6. (i) Reason

(1 mark)

(ii) Term - _____ (1 mark)

7. (i) Survivorship curve

(1 mark)

(ii) TYPE III

(iii) Curve - _____

(2 marks)

(1 mark)

MARKS for STRAND 2

(14 marks)

Multiple-Choice	Short Answers	S2 TOTAL*
3	11	14

STRAND 3 BIODIVERSITY, CHANGE AND SUSTAINABILITY [12 marks]

Circle the letter which represents the **best** answer.

(3 marks)

1	A	B	C	D
2	A	B	C	D

3	A	B	C	D
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4. (i) natural carbon cycle

(1 mark)

(ii) Reasons

I- _____

II- _____

(2 marks)

(iii) Impacts of the enhanced greenhouse effect

I- _____

II- _____

(2 marks)

(iv) One strategy for reducing the impact

(1 mark)

5. (i) type of organisms - _____

(1 mark)

(ii) Two main characteristics

I- _____

II- _____

(2 marks)

MARKS for STRAND 3

(12 marks)

Multiple-Choice	Short Answers	S3 TOTAL*
3	9	12

