LIFE SCIENCES

MARCH 2025

MARKING GUIDE

GRADE: 11

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MARKS: 50

TIME: 50 minutes

EDUCATOR: Miss Masia TM

MODERATOR: Mr. Sibanyoni MF

TOTAL NUMBER OF PAGES: 4

SECTION A

QUESTION 1

1.1. 1.1.1. D ✓✓
1.1.2. B ✓✓
1.1.3. C ✓✓

(3× 2) **(6)**

1.2. 1.2.1. Eukaryote ✓
1.2.2. Stigma ✓
1.2.3. Micro-organism ✓
1.2.4. Cephalisation ✓
1.2.5. Gametes ✓



(5× 1) **(5)**

1.3. 1.3.1. Both A and B ✓✓
1.3.2. Both A and B ✓✓
1.3.3. Both A and B ✓✓

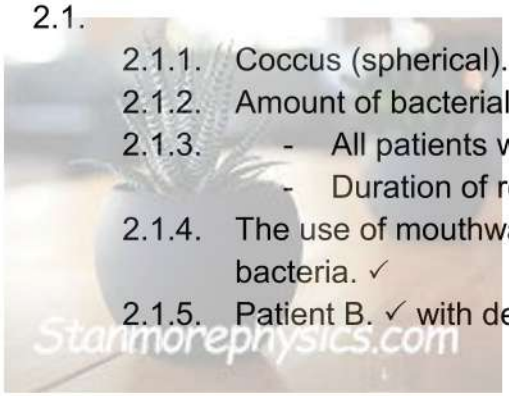
(3× 2) **(6)**

TOTAL SECTION A: 17

SECTION B

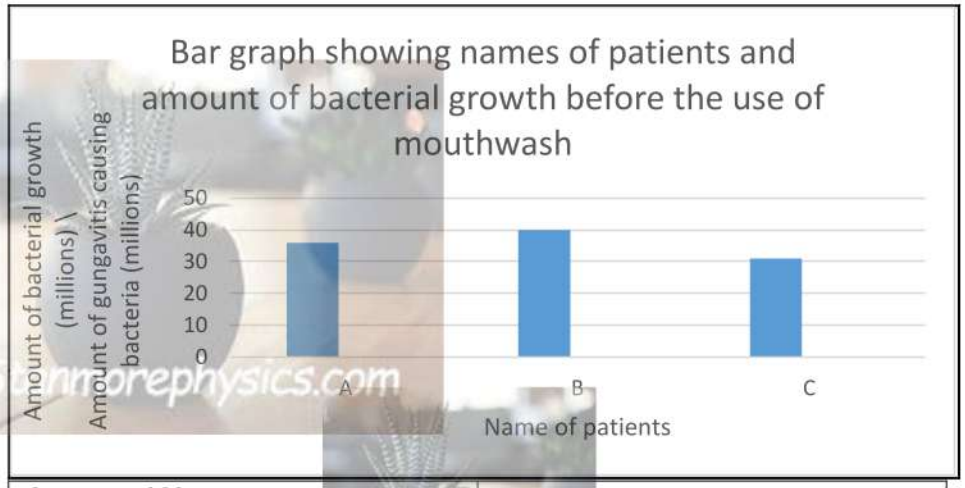
QUESTION 2

2.1.



2.1.1. Coccus (spherical). ✓ (1)
2.1.2. Amount of bacterial growth. / Amount of ginjevitis causing bacteria. ✓ (1)
2.1.3. - All patients with gum disease. ✓ (1)
- Duration of recording results. ✓ (mark 1)
2.1.4. The use of mouthwash decreased the growth of gingivitis causing bacteria. ✓ (1)
2.1.5. Patient B. ✓ with decreased bacteria growth of 23 million. (1)

2.1.6.



Caption **(C)**	1 mark
Type of graph **(T)**	1 mark
Scale and spacing on x-axis and y-axis **(S)**	1 mark
Labels on x-axis and y-axis **(L)**	1 mark
Bars **(P)**	2 bars corrects (1 marks) All 3 bars correct (2 marks)

(6)

(11)

2.2.

2.2.1. Phylogenetic tree. ✓

2.2.2. a) A – Body plan symmetry ✓
b) B – Tissues ✓
c) C – Cephalisation ✓
d) D – Development of skeleton ✓

2.2.3.
- It provides space for the development of internal organs. ✓
- It separates the gut wall from the body wall. ✓
- Acts as a hydroskeleton and brings about locomotion. ✓
- Acts as a shock absorber protects internal organs from injury. ✓

(mark any 1)

QUESTION 2 TOTAL: 17

QUESTION 3

3.1.

3.1.1. Chordata ✓ (1)

3.1.2. Bilateral symmetry ✓ (1)

3.1.3. Endoskeleton ✓ (1)

3.1.4. Through gut ✓ (1)

3.1.5.
- Allows the development of digestive organs. ✓ (2)
- Allows continuous movement of food through alimentary canal. ✓
- Prevents mixing of digested and undigested food. ✓
(mark any 2)

(6)

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3.2.

3.2.1. Angiosperms ✓ (1)

3.2.2. Insect pollination. ✓ (1)

3.2.3.
- The stigma and anthers are inside the flower. ✓ (2)
- The anthers are large and dangle outside the flower. ✓
- The filaments are short. ✓
- There are brightly colours petals to attract insects. ✓

3.2.4. The sigma is higher than the anthers, ✓ preventing pollen from reaching the stigma✓ (2)

3.2.5.
a) 5 ✓ - Ovule ✓ (2)
b) 1 ✓ - Stigma ✓ (2)

(10)

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QUESTION 3 TOTAL: 16

SECTION B TOTAL: 33

GRAND TOTAL 50