KWAZULU-NATAL PROVINCE

EDUCATION

REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 11

LIFE SCIENCES

MARKING GUIDELINES

COMMON TEST

MARCH 2024

Stanmorephysics.com

MARKS: 50

This marking guideline consists of 4 pages.

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SECTION A

QUESTION 1

1.1

1.1.1 A✓✓

1.1.2 C✓✓

1.1.3 D✓✓ (3 x 2) **(6)**

1.2

1.2.1 Cephalisation✓

1.2.2 Sporophyte✓

1.2.3 Flagella/flagellum✓ (1 x 3) **(3)**

1.3

1.3.1 B only✓✓

1.3.2 A only✓✓ (2 x 2) **(4)**

1.4

1.4.1 (a) ectoderm ✓ (1)

(b) gut ✓ (1)

(c) coelom ✓ (1)

1.4.2 - Annelida ✓
- Arthropoda ✓
- Chordata ✓

(mark first TWO only) (2)

1.4.3 (a) X✓ (1)

(b) X✓ (1)

(7)

TOTAL SECTION A: [20]

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SECTION B

QUESTION 2

2.1

2.1.1 Protista ✓ (1)

2.1.2 - Charophytes ✓
- Bryophytes ✓
(mark first TWO only) (2)

2.1.3 350 ✓
MYA✓ (2)

2.1.4 Presence of seeds ✓ (1)

2.1.5 (a) D ✓ (1)

(b) C ✓ (1)

2.1.6 Algae ✓ (1)

(9)

2.2

2.2.1 Mycobacterium ✓ (1)

2.2.2 - Lack of nucleus ✓
- Does not have membrane bound organelles ✓
(mark first ONE only) (1)

2.2.3 Acellular ✓ (1)

2.2.4 - non-living✓
- lack of cellular structures ✓
- lack of most organelles found in a cell ✓ Any (1)

2.2.5 HIV lowers the body's immunity✓ / white blood cell count therefore it cannot defend the body against TB ✓ (2)

(6)

[15]

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QUESTION 3

3.1

3.1.1 Treatment ✓ on bread (1)

3.1.2 Fungi grow best in dark and warm places✓
(mark first ONE only) (1)

3.1.3 - Act as a control ✓
- To compare results between treated and not treated bread. ✓ (2)

3.1.4 - Increase sample size ✓
- Repeat investigation ✓
(mark first ONE only) (1)

3.1.5 - Sugar provides energy/food ✓
- For fungi therefore more food will allow fungi to grow faster ✓ (2)

3.1.6 - placed bread in zip lock bags✓
- all slices were placed in cupboard✓
- all slices left for one week/ same time✓
- slices of bread of the same size✓
- same amount/quantity (200ml) of treatment✓
(mark first TWO only) (2)

(9)

3.2

3.2.1 Animalia ✓ (1)

3.2.2 Cnidaria ✓ (1)

3.2.3 Bilateral ✓ (1)

3.2.4 They decompose/ break down dead organic material ✓ (1)

3.2.5 Cnidaria - blind gut ✓ (1)

Annelids- through gut ✓ (1)

(6)

TOTAL QUESTION 3: [15]

GRAND TOTAL: 50

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