

PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT - RALG
BUSEGA DISTRICT
DISTRICT FORM TWO SECONDARY EDUCATION MOCK EXAMINATION - 2023
033 BIOLOGY

MARKING SCHEME

SECTION A (15 MARKS)

1. Total marks (1@)

QNS	i	ii	iii	iv	v	vi	vii	viii	ix	x
ANS	D	C	B	C	A	B	B	C	C	C

2. Total mark 5 (1@)

QNS	I	ii	iii	iv	v
ANS	F	D	E	A	C

3. a) i. Eat well balanced diet **1@=4 marks**

ii. Always keep the body clean

iii. Have regular physical exercise at least 30 minutes per day

iv. Avoid smoking and narcotic drugs

b) i. **Incinerating**; is the process of burning materials until they are completely destroyed into ashes, e.g. pads, gloves

ii. **Reducing**; is the act of minimizing the amount of waste produced **2@=6 marks**

iii. **Re-using**; Instead of throwing the waste away, they can be re-used

4. a) $BMI = \frac{Mass(kg)}{Height(M)^2}$

$BMI = \frac{85kg}{150cm}$ change 150cm to m^2 **1 marks**

$BMI = 85kg / 2.25m$

$BMI = 37.82$ **marks**

b) Obesity (Class 2 obesity) **1 marks**

c) i. Overeating

ii. Inactivity

iii. Eating high amount of energy foods especially fatty and sugars **1@=3 marks**

d) i. Eat properly

ii. Regular exercise **1@=3 marks**

iii. Avoid eating too much fatty food

5. i. Having immoral friends who pressure them into risk, e.g. Alcoholism, drug abuse, and sexual intercourse

ii. Going out alone or in the company of strangers especially at night clubs, bars and casinos

iii. Accepting favors and gifts from opposite sex

iv. Rape and failing to report sexual abuse **2@=10 marks**

v. Staying in secluded places with members of opposite sex or strangers.

6. i. It is very small in size [**2@marks=10**]

ii. It is crystallized

iii. It cannot reproduce when out of the host

iv. It cannot possess necessary life processes such as respiration

v. It has no cell component

7.a)i. **Trypsin enzyme**-digest protein to peptide and amino Acid **2@marks=8]**

ii. **Salivary amylase enzyme**-digest cooked starch to maltose

iii. **Pancreatic amylase enzyme**-digest lipid to fatty acid and glycerol

iv. **Rennin enzyme**-Solidify soluble milk protein (caseinogen) to insoluble milk protein (casein)

8a) First Aid **(2marks)**

b).i. He must be acted quickly and calmly **(1mark)**

ii. He should have ability to assess the problem and give immediate help **(1mark)**

iii. He should be sympathetic to the victim **(1mark)**

c).i. To reduce pain

ii. To promote early recovery

iii. Remove the fear of death

iv. Save the life of a victim **[1@marks5]**

v. To bring hope and encouragement.

9.(a)i)–Is a process of grouping living organisms according to their similarities and differences. **1mark**

ii)–Is a group of living organisms which can interbreed and produce fertile offspring **1mark**

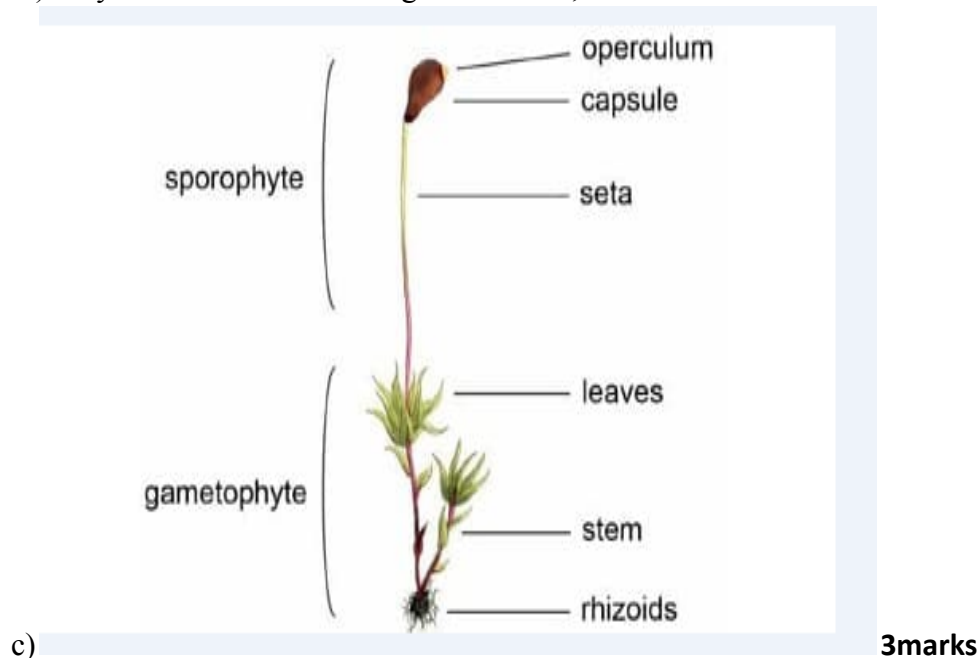
iii)–Refer to the system of assigning names to organisms **1mark**

(b)i) They are generally small in size

ii) Lack vascular tissues (xylem and phloem) **1@marks=4**

iii) Reproduces both sexually and asexually

iv) They are found in moist areas e.g. Riverbanks, Rocks



SECTION N(15)

10. **HIV**: Means Human Immunodeficiency Virus

AIDS: Means Acquired Immunodeficiency Syndrome

AIDS is caused by a virus known as Human immunodeficiency virus.

Mode of transmission:- Sexual intercourse with infected person

- Blood transfusion from an infected donor
- By accidents where an HIV-positive blood mixes with healthy person's blood through puncturing the skin
- Sharing unsterilized sharp instruments
- Through breast milk from an infected mother to child
- Mother to baby through contact with vaginal fluid during birth

Signs & symptoms: - Persistent fever which does not respond to drugs

- Loss of body weight
- Persistent diarrhea
- Coughing for more than a month
- Genital rashes

Prevention & Control: - To abstain from sexual intercourse for unmarried people

- Use condoms during sexual intercourse
- Blood used for transfusions should be screened
- Wear gloves when touching other people's fluids e.g. saliva, blood
- Do not share toothbrushes, shaving blades, surgical blades
- People should be educated on how to change their behavior so as to reduce the spread of HIV/AIDS
- Testing for HIV before trying to get pregnant