

TABORA MUNICIPAL COUNCIL
FORM TWO DISTRICT ASSESSMENT (FTDA)
SEPTEMBER 2026

BIOLOGY - MARKING GUIDE

1.

Q/N	I	II	III	IV	V	VI	VII	VIII	IX	X
ANS	B	B	C	C	A	A	D	B	D	C

10 marks

2.

Q/N	I	II	III	IV	V
ANSW	E	C	A	G	B

05 Marks.

3. (a) (i) Mouth (02 marks)

(ii) Since rice contains starch, the enzyme responsible for digestion of rice in the mouth is salivary amylase. (02 marks)

(iii) The rice contains starch, so the change will be from starch into maltose (02 marks).

(b) Differences between cow digestive system and human digestive system.

S/N	Cow Digestive System	Human Digestive System
1	Has stomach with four chambers	Has stomach with one chamber
2	Has ability to regurgitate and re-chew swallowed food	Has no ability to regurgitate and re-chew swallowed food
3	Has bacteria which produce cellulase enzyme cellulose digestion	Has no bacteria that produce cellulase enzymes
4	Lack some of the teeth such as incisors and canines	Has upper incisors and canines
5	Has a gap on the lower jaw (diastema)	Do not have diastema.

Any four (4) points @ 1 mark = 04 marks.

TOTAL = 10 Marks.

- 4(i) A - sporangiospores 01 @ = 3 marks.
B - Sporangium
C - sporangiophore

(ii) The common name of organism is Black bread mould
(Rhizopus) 01 mark.

(iii) The organism is found in 01 @ mark = 2 marks

- * phylum - Zygomycota
- * Kingdom - Fungi

(b) Beneficial of fungi.

- (i) used as a source of food eg Mushroom
- ii. used in food manufacturing industries eg yeast 1 @ mark = 04 marks.
- (iii) production of alcohol through fermentation
- (iv) production of drugs eg penicillin
- (v) Genetic engineering and Biological researches.
- (vi) They add nutrients to the soil through decomposition
- (vii) Help some high plants to absorb more nutrients from the soil through symbiotic relationship.

(any four points)

5. During inhalation process the following actions take place in the body.

- (i) The muscles of the diaphragm contract, pulling the diaphragm downward (flatten)
- (ii) The external intercostal muscles contract with the internal intercostal muscles relax.
- (iii) The rib cage moves upward and outward.
- (iv) The volume of the thoracic cavity increases and the pressure decreases
- (v) Internal intercostal muscles relax.
- (vi) The diaphragm contracts and flattens

(any five points) 2 mark @ = 10 marks.

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6 (a) (i) Because it will gain water and rupture due to weak cell membrane or Due to Lack of cell wall.

02 Marks

(ii) Due to the presence of strong cell wall.

02 Marks

(iii) Because human red blood cell will lose water. or Because there will be movement of water from the human cell to highly concentrated solution

02 Marks

(b) i) Help in plant to absorb water and mineral salt from the soil

ii) Help in opening and closing of stomata.

02 Marks

- 7 (a) i) Unsafe blood transfusion
- ii) Sharing unsterilized or sharp tools with infected person
 - iii) Drinking alcohol, smoking and using other narcotic drugs
 - iv) Having immoral friends who pressure other into bad behaviour.
 - v) Going out alone
 - vi) Failing to report sexual abuse or rape
 - vii) Staying in secluded place with members of opposite sex.
 - viii) Accepting favours and gift from members of opposite sex or strangers
- (Any 04 points 01 1/2 mark)

- (b) i) Abstain from sexual intercourse before marriage
- ii) Use screened blood during blood transfusion
 - iii) Do not share personal items or tools.
 - iv) Learn to resist bad peer pressure
 - v) Keep good company
 - vi) Avoid drinking alcohol and other narcotic drugs
 - vii) Avoid risk places.
- (Any 4 points 04 marks)

8

- a) i) Help to understand ourself better
ii) Help to know Living things
iii) Help to get career
iv) Help to improve food production
v) Help to appreciate the nature
vi) Help to answer fundamental questions
vii) Help to understand our environment better.

(Any 04 points 04 mark)

b) Application of biology knowledge is

i) Agriculture

- Develop breed of animal and plant that mature fast
- Develop seed and crops that grow well in harsh condition

(Any 02 points 01½ mark)

ii) Forestry

- Development of fast growing trees
- Development of tree that grow well in harsh environment

(Any 02 points 01½ mark)

9 (a) i) Food web

01 mark
ii) Maize $\longrightarrow$ stalk borer $\longrightarrow$ salamander $\longrightarrow$ snake
Hawk.

01 mark
• Maize $\longrightarrow$ mouse $\longrightarrow$ snake $\longrightarrow$ Hawk

01 mark
iii) The snake occupies fourth trophic level

- b)
- i) provide food, security and shelter
 - ii) provide appropriate environment for organisms to reproduce
 - iii) provide space for living things to interact.

(Any three points 2 marks)

Essay question

Introduction (02 Marks)

Advantage

- i) Food can last for Long time
- ii) preserve a wide varieties of food.
- iii) It is fast and can handle large quantity of food. (Any 03 points well explained 02 mark)

Disadvantage.

- i) Chemicals added can be harmful when in excess.
 - ii) It needs high technology like electricity supply.
 - iii) It may Lead to nutrient lost
 - iv) Need high skilled personnel
 - v) It is highly costful.
- (Any 03 points well explained)
02 mark.

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