

MIRROR SERIES GRADE 7 - YEAR 2024

MONITORING LEARNER ASSESSMENT

INTERGRATED SCIENCE

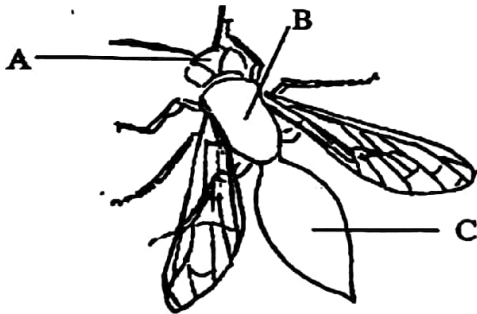
Time: 1Hour 20minutess

Name: _____ Date: _____

SECTION A:

SCIENCE & TECHNOLOGY (20mks)

1. Name the parts of an insect drawn below (3mks)



A _____

B _____

C _____

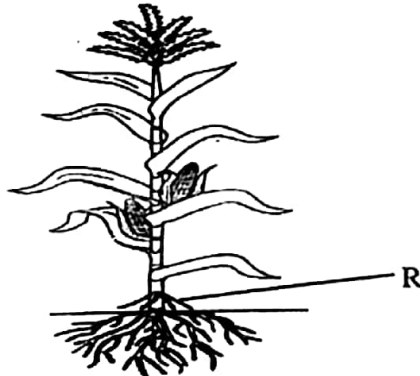
2. Animals without backbones are called _____ (1mk)

3. List down two examples of animals without backbones (2mks)

i) _____

ii) _____

4. Below is a growing maize plant.



Name the type of roots labelled R. _____ (1mk)

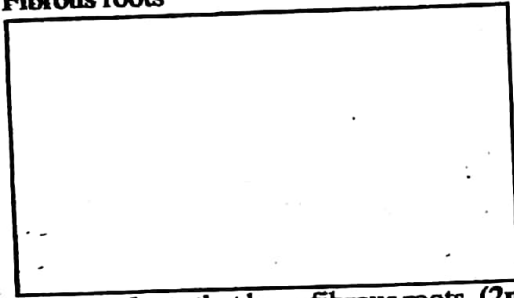
5. State any two safety precautions that one should take when handling invertebrates. (2mks)

i) _____

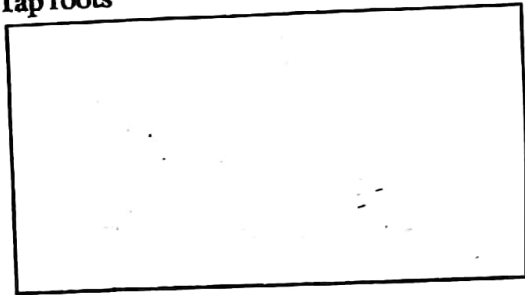
ii) _____

6. Draw the following types of roots (2mks)

a) Fibrous roots



b) Tap roots



7. Name two plants that have fibrous roots. (2mks)

i) _____

ii) _____

8. Match the following parts of a plant and their functions. (3mks)

| Parts | Function |
|--------|------------------------------------------------------------|
| Leaves | Transport food made in leaves to other parts of the plant. |
| Stem | Absorbs water and mineral salts. |
| Roots | Manufacture of food. |

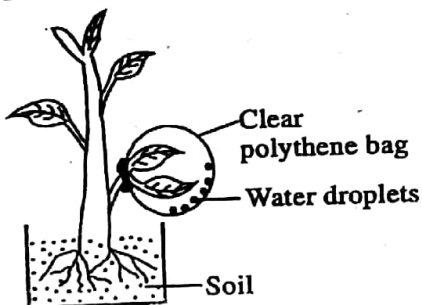
9. Group the plants below as either shrubs or herbs. (2mks)

(Rose, coriander, mint, cotton plant)

Herbs _____, _____

Shrubs _____, _____

10. Grade six learners set up the experiment shown below to find out a certain function of the leaves.



What were they investigating? _____ (1mk)

11. What is the main function of seeds in plants _____ (1mk)

SECTION B:

HOME SCIENCE (20mks)

1. List down one source of each of the minerals below. (2mks)

a) Iodine _____

b) Iron _____

2. The process of planning how to spend money that one has for a certain period is called _____ (1mk)
3. Mention two non-communicable diseases and disorders. (2mks)
i) _____
ii) _____
4. List down any two ways of preventing hypertension. (2mks)
i) _____
ii) _____
5. State any two common causes of cancer. (2mks)
i) _____
ii) _____
6. In what two ways can we prevent and manage heart diseases? (2mks)
i) _____
ii) _____
7. What one safety measure should adolescents observe in their environment? (1mk)

8. Give two examples of each of the following. (2mks)
a) Cosmetics: _____
b) Accessories: _____
9. State one danger of misusing cosmetics? (1mk)

10. State one good grooming practice for the adolescents. (1mk)

11. Why should an adolescent participate in physical exercises? _____ (1mk)

12. Why should an adolescent take a balanced diet? _____ (1mk)

13. How can a toothbrush be improvised by an adolescent for good grooming? (1mk)

14. State one physical change in boys during adolescence. (1mk)

SECTION C:

AGRICULTURE (20mks)

1. State two ways in which water can be conserved in seedbeds. (2mks)
i) _____
ii) _____
2. Why is it important to conserve water in the seedbed? (2mks)
i) _____
ii) _____
3. Why are sunken beds important? _____ (1mk)
4. State two methods of controlling wild animals to prevent them from causing damage to crops and domestic animals. (2mks)
i) _____
ii) _____
5. What do we call the type of soil erosion where the top layer of soil is eroded at a uniform level? _____ (1mk)
6. The use of mulching for conservation of soil will work the same way as _____ (1mk)
(gabions, stone lines, cover crops, trash lines)
7. Name two small wild animals that causes damage to crops. (2mks)
i) _____ ii) _____
8. List two places where we can conserve water. (2mks)
i) _____
ii) _____
9. What would happen to the land if rill erosion is not controlled early enough? (1mk)

10. Match the types of soil erosion with the appropriate method of controlling it. (4mks)

| Type of soil erosion | Control method |
|----------------------|----------------------|
| Gulley erosion | Mulching |
| Sheet erosion | Stone lines |
| Splash erosion | Building gabions |
| Rill erosion | Planting cover crops |
11. Why is planting crops in shallow pits important? (1mk)

12. State the meaning of conserving water. _____ (1mk)