

# MORTAR EXCEL EXAMINATIONS COMMITTEE

## END OF TERM I 2023

### P.7 INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

INDEX No.

EMIS No.					Personal No.		

Candidate's Name: .....

Candidate's Signature: .....

EMIS No: ..... District Name: .....

**Read the following instructions carefully:**

1. This paper is made up of two Sections:  
A and B.
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball-point pen or ink.
4. Unnecessary alteration of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes indicated  
"It is for Examiners' use Only".

<b>FOR EXAMINERS' USE ONLY</b>

FOR EXAMINERS' USE ONLY		
Qn No.	Marks	Examiner's No.
1-10		
11-20		
21-30		
31-40		
41-44		
45-48		
49-52		
53-55		
<b>TOTAL</b>		

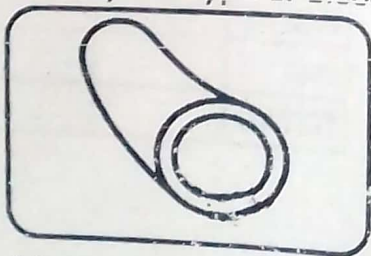
**Organised by:**  
**Mortar Excel Examinations Committee Entebbe.**



**Mortar Excel Examinations Committee Entebbe.**  
**Tel: 0757-713720/ 0783-185533/ 0782-967838/ 0782-357828**

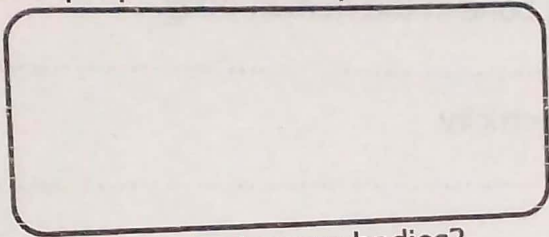
## SECTION A (40Mks)

1. Name any one type of goats.  
.....
2. Identify one part of a flowering plant.  
.....
3. Which form of energy increases temperature of a body?  
.....
4. Mention any sign of heat period in cows.  
.....
5. Why does a bed bug produce a bad smell when touched?  
.....
6. Which resource in the environment enables children to fly kites?  
.....
7. Write one PIASCY message that prevents school going children from catching HIV/AIDS.  
.....
8. Why does the cactus plant develop thorny leaves?  
.....
9. Give one common sign in fractures, sprains and dislocations.  
.....
10. Name the substance that can exist in all the three states of matter.  
.....
11. Identify the type of blood cell drawn below.  
.....

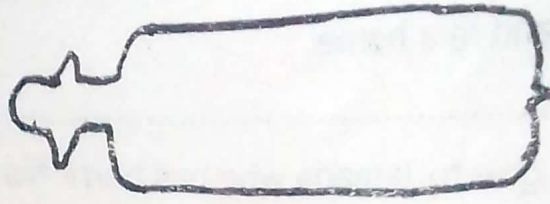


12. What good health habit should be practised after visiting a latrine?  
.....
13. Give one way in which animals are important during the process of photosynthesis.  
.....



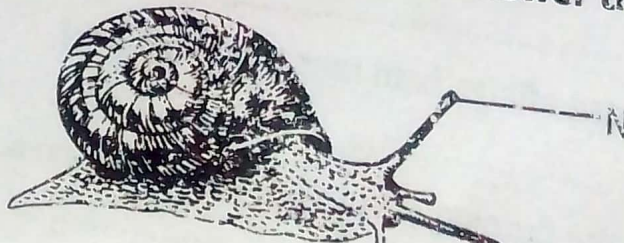
14. State any reason why some plants climb others.  
.....
15. Identify any one use of sand in a home.  
.....
16. What first aid would you give to Jamada who has burnt his fingers with a hot metal?  
.....
17. Give one practice that can help to control the spread of Ebola in a school.  
.....
18. Draw a prop root in the space below.  

19. How do worms enter our bodies?  
.....
20. State the use of an axe at home.  
.....
21. Name any one natural source of light.  
.....
22. Why does clay soil retain more water than loam soil?  
.....
23. Which immovable joints are found in the skull?  
.....
24. Give any one example of a chemical change which does not require heat to take place.  
.....
25. Why is it not advisable to clean the ear using sharp objects?  
.....
26. Which disease affects both rabbits and poultry?  
.....
27. How does the burning of rubbish control the spread of diarrhoeal diseases?  
.....

The diagram below shows a shape type of cattle. Use it to answer the questions.



28. Name the type of cattle with the body shape above.  
.....
29. Which main product do farmers get from the above named type of cattle?  
.....
30. Outline any one example of a long bone in the human body.  
.....
31. Explain one advantage of using electricity.  
.....
32. What are artificial magnets?  
.....
33. Mention one example of renewable energy resource in the environment.  
.....
34. State any one way of controlling mosquitoes at the larva stage.  
.....
35. In one sentence, give the meaning of an apiary.  
.....
36. List any one solute used in preparation of ORS.  
.....
37. Why should a P.7 pupil brush his/her teeth after a meal?  
.....
38. Why do most plants in deserts have thorns?  
.....

Refer to the diagram of an invertebrate to answer the questions.





39. To which group of invertebrates does it belong?

40. Name the part labelled N.

### SECTION B (60Mks)

41a) Name the type of accident that involves the following applications when giving first aid.

i) Tying splints around the broken part.

ii) Dipping the injured part in clean cold water.

b) State any two reasons why casualties should be given first aid.

i)

ii)

42a) In the table below, part A shows parts of the respiratory system and B has actions of the parts during breathing in. Match them.

#### Part A

Ribcage

Lungs

Diaphragm

Chest cavity

#### Part B

Its volume increases.

It moves downwards and flattens.

They expand.

It moves upwards and outwards.

i) Ribcage

ii) Lungs

iii) Diaphragm

iv) Chest cavity

43a) In the human reproductive system, state where each of the following processes takes place:

i) implantation

ii) production of sperms

iii) production of female hormones

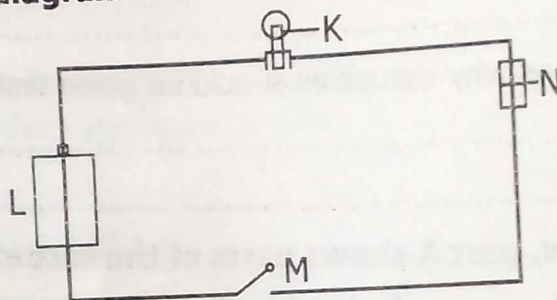
b) Identify any one way we can care for the reproductive organs.

44a) Name the group of crops that are harvested year after year.

b) Give two examples of crops that belong to the group you have named in (a) above.

i) ..... ii) .....  
c) State one way in which the above crops are harvested.

45. Refer to the diagram of an electric circuit to answer question 45.



a) Name the parts marked K and N.

b) State the energy change that takes place at L when M is closed.

c) Give any one form of energy produced at K if M is closed.

46a) Write one organism that makes fresh meat to go bad.

b) Identify any two ways of preventing fresh meat from going bad.

i) .....

ii) .....

c) What value do we get from eating meat?

47a) Give any two advantages of modern bee hives.

i) .....

ii) .....

b) Write down two things a bee keeper should consider before setting up bee hives.



- i) ..... ii) .....

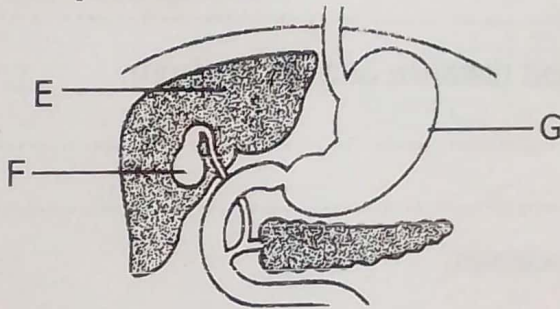
48a) Write any two processes involved in the formation of rain.

- i) ..... ii) .....

b) How is too much rainfall dangerous to our environment?

c) Give the function of the sun in rain formation.

49. **The diagram below shows parts of the human digestive system. Use it to answer question 49.**



a) Name the parts labelled by G and E.

b) In which way is part F useful during digestion?

c) How can you improve on the normal functioning of your digestive system?

50a) How do the following animals protect themselves;

i) A dog .....

ii) Chameleon .....

b) Identify two uses of wild animals to people.

i) .....

ii) .....

51a) Besides ticks, name any other cattle pest.

b) State any two diseases spread by ticks to cattle.

i) ..... ii) .....

c) Give one way in which tick borne diseases can be controlled.

52a) Identify any two examples of a drupe.

i) ..... ii) .....

b) How is a drupe different from a berry? .....

.....

c) Which mode of dispersal does a drupe undergo?

.....

53a) Name the part of a ventilated pit latrine that;

i) traps flies .....

ii) allows in air .....

b) What is the recommended distance of a latrine from;

i) a water source .....

ii) a kitchen .....

54. Define the following processes.

i) Evaporation

.....

ii) Freezing

.....

iii) Condensation

.....

iv) Sublimation

.....

55a) What is temperature?

.....

b) Write down any one temperature scale.

.....

c) Convert  $20^{\circ}\text{C}$  to  $^{\circ}\text{F}$ .