

MORTAR EXCEL EXAMINATIONS COMMITTEE

MOCK 2023

P.7 INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Random No.					Personal No.		

Candidate's Name:

Candidate's Signature:

District ID NO.

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Read the following instructions carefully:

1. This paper is made up of two Sections:
A and B.
2. Section A has 40 questions (40mks) and
Section B has 15 questions (60mks)
3. All answers must be written using a blue or
black ball-point pen or ink but only diagrams
must be drawn in pencil.
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".

FOR EXAMINERS' USE ONLY

FOR EXAMINERS' USE ONLY		
Qn No.	Marks	Examiner's No.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 23		
24 - 26		
27 - 29		
30 - 32		
TOTAL		

Organised by:
Mortar Excel Examinations Committee Entebbe.

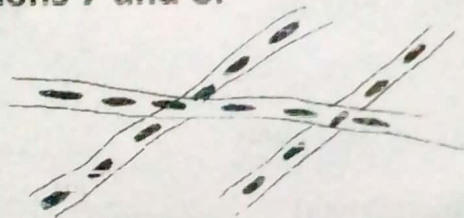


Mortar Excel Examinations Committee Entebbe.
Tel: 0757-713720/ 0783-185533/ 0782-967838/ 0782-357828

SECTION A (40Mks)

1. Name the plant process involved in the rain cycle.
.....
2. Mention any one breed of rabbits.
.....
3. Give any one way in which some fungi are useful to people.
.....
4. Which type of weather requires the use of gumboots?
.....
5. State any one way of controlling the spread of malaria fever in a home without using drugs.
.....
6. Which part of an onion is eaten by people?
.....

The diagram below shows eggs of an amphibian. Use it to answer questions 7 and 8.

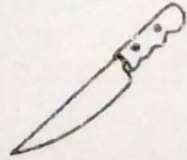


7. Name the amphibian whose eggs are shown in the diagram.
.....
8. What structure makes the eggs shown above float on water?
.....
9. Why do health workers shake the clinical thermometer before using it on another patient?
.....
10. Give one example of anti social behaviour.
.....
11. Which part of the cassava makes its food?
.....
12. Name the acid excreted by the skin from the body.
.....
13. How is water important to a germinating bean seed?
.....
14. Name one disease that is common to both rabbits and human beings.
.....
15. Why is air regarded as matter?
.....
16. Name the part of a flower where fertilization takes place.
.....

Mention any one health effect of teenage pregnancy to a girl.

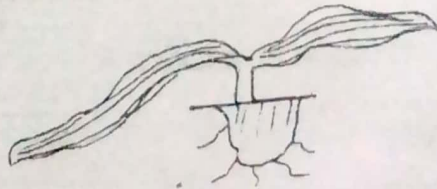
Why is soaking important during the process of washing clothes?

State one use of this garden tool.



State any one importance of mulching.

What type of germination is shown in the diagram below?



Suggest any one use of a ladder at home.

How are bacteria useful in the manufacturing of local alcohol?

Give one way how non flowering plants reproduce.

Write one method of soil formation.

Describe any other importance of bees to a farmer, besides providing honey.

State the difference between a burn and a scald.

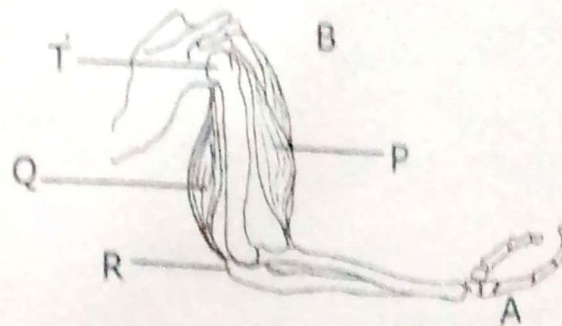
Mention one way a good farmer can control diseases on his/her farm.

Name one root crop which is propagated by seeds.

Write one activity done by farmers during a dry season.

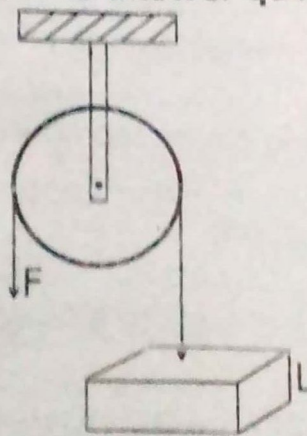
31. State one danger of drinking a lot of alcohol to an individual.

The diagram below shows the human arm. Use it to answer questions 32 and 33.



32. What happens to muscle Q when the fore arm is moved from position B to position A?
33. Name the type of movable joint found at position R.
34. What are water borne diseases?
35. What is the gestation period of a cow?

Use the diagram below to answer questions 36 and 37.

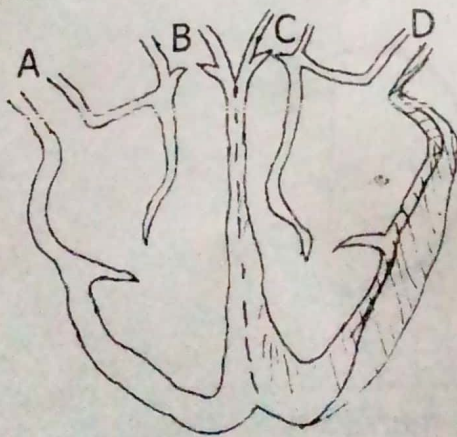


36. What is the name given to such a machine?
37. Which important activity in a school is done using the machine above?
38. Write any one secondary sex characteristic that occurs in both boys and girls.
39. Why is water regarded as a universal solvent?
40. Why do objects that are thrown up, fall back to the ground?

SECTION B (60 Mks)

- 41a) Name the organ that removes urine from the body.
.....
- b) To which body system does the body organ in(a) above belong?
.....
- c) Where is urine collected before it is removed from the body?
.....
- d) Name one dangerous substance found in urine.
.....
- 42a) Which recommended practice helps to protect buildings from being struck by lightning?
.....
- b) State the energy change that occurs in an electric bulb when a circuit is completed.
.....
- c) In which device is the use of a magnet needed to produce electricity?
.....
- d) Name one source of electricity that pollutes the environment.
.....
- 43a) What is a ray of light?
.....
- b) What name is given to a ray of light that hits a plane mirror?
.....
- c) State one effect of ray of light striking an opaque object.
.....
- d) How is a rainbow formed?
.....

4. Study the diagram below and answer the questions that follow.



- b) Give the importance of the body organ above.
.....
- c) By the use of arrows, show the direction of blood movement on blood vessels marked B.
.....

c) How is blood vessel A different from blood vessel D by function?

d) Suggest any one way of improving the functioning of the heart.

45a) Write the main source of water on earth.

b) Mention any one way water is used as a resource.

c) Why is water grouped under renewable resources?

d) Give any one water borne disease.

46a) Mention any one example of each type of change:

i) Biological change

ii) Chemical change

b) Identify any two ways in which physical changes are important in the environment.

i)

ii)

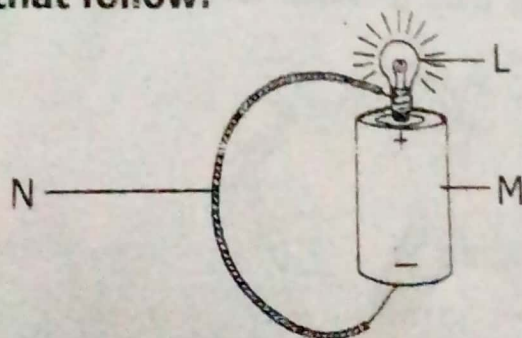
47a) What are farm records in poultry keeping?

b) List any two examples of farm records in poultry keeping.

i) ii)

c) Identify any one importance of farm records in poultry management.

48. **The diagram below shows a simple circuit. Use it to answer the questions that follow.**



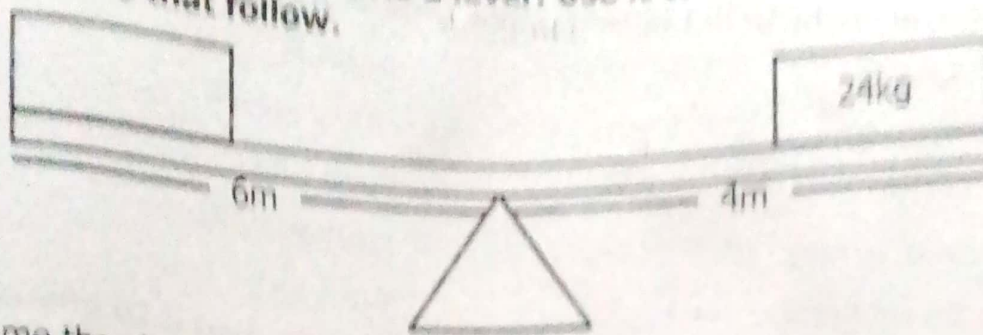
a) Name the part marked L.

b) State the function of part marked N.

c) Which energy change takes place at part M when the circuit is complete?

d) Besides electric cells, give any one other source of electricity.

2. The diagram below shows a lever. Use it to answer the questions that follow.



-) Name the simple machine in the diagram above.
-) With the use of an arrow and letter X, show the position of the pivot.
-) Suggest one game children play using the above machine.
-) To which class of levers does the machine above belong?

0a) What is immunization?

-) Write down the two methods of immunization.

- ii) Why is immunization carried out free of charge especially in government health centres in Uganda?

1a) Outline the importance of the following conditions during germination.

-) Water
-) Oxygen
-) Which part of air is given off during germination?
-) Outline any one example of a plant seed that undergoes hypogeal germination.

2a) What is an accident?

-) Outline any one common example of an accident.
-) Write down any one reason why we give first aid.
-) Give any one example of a foreign body.

53. Match the crops in list M with their food storage organs in list N.

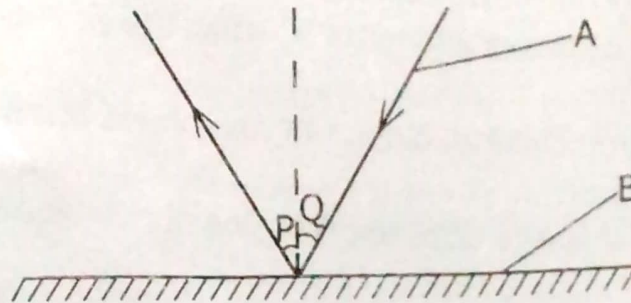
List M

Sugarcane
Onion
Irish potato
Sweet potato

List N

Fleshy leaves
Stem tuber
Storage roots
Erect stem

54. The diagram below shows a property of light. Use it to answer questions that follow.



a) Name the reflecting surface marked B.

b) What name is given to the ray of light marked A?

c) State two ways in which the property of light shown above is useful to people.

i)
ii)

55. The steps followed to separate a mixture of sand and salt have been jumbled. Re arrange them to form a correct procedure followed.

Jumbled Order.

- Filter the mixture to get salt solution.
- Evaporate the solution to dryness to get salt crystals.
- Stir the mixture for salt to dissolve in water.
- Add water in the mixture of sand and salt.

.....
.....
.....
.....