

**MORTAR EXCEL EXAMINATIONS COMMITTEE  
BEGINNING OF TERM I 2024  
P.7 INTEGRATED SCIENCE**  
**Time allowed: 2 hours 15 minutes**

Random No.	Personal No.

Candidate's Name: .....

Candidate's Signature: .....

District ID NO.

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		
<b>TOTAL</b>		

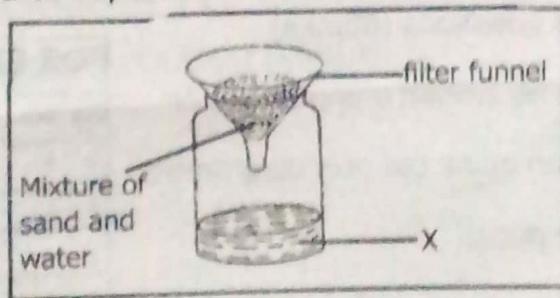
Organised by:  
Mortar Excel Examinations Committee Entebbe.



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

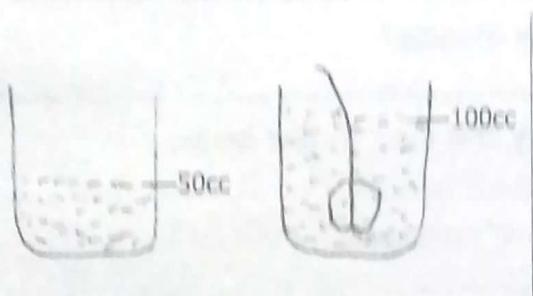
## **SECTION A (40Mks)**

1. What is a first aid kit?  
.....
2. Identify the form of energy used when cooking food at home.  
.....
3. How do ferns reproduce?  
.....
4. Why is the free range system of keeping cattle very common in Uganda?  
.....
5. Name the main source of water in the environment.  
.....
6. Of what importance is a toilet/ latrine in a homestead?  
.....
7. Explain the term "nutrition".  
.....
8. Mention any one agent of soil erosion you know.  
.....
9. Which method of separation is shown below?



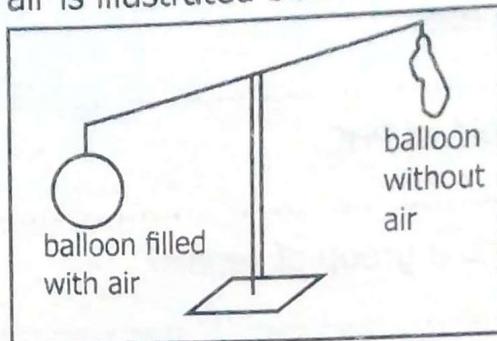
10. Name part marked X.  
.....
11. Why is it advisable to cut our fingernails short?  
.....
12. How is sound energy produced?  
.....
13. Which component of soil is responsible for its fertility?  
.....
14. What is a seed?  
.....

15. Identify the functional similarity between valves of the heart and a kink of a clinical thermometer.
- .....
16. State any one principle of PHC.
- .....
17. What name is given to a group of sepals?
- .....
18. Which immunisable disease affects the brain?
- .....
19. Name the gas used to put out fire in fire extinguishers.
- .....
20. Calculate the volume of the stone below.



21. Which method was used to determine the volume of the stone above?
- .....
22. How are carbohydrates useful to a sick person?
- .....
23. In which part of the body is carbondioxide in the blood stream?
- .....
24. Define the term "weaning".
- .....
25. Cite out any one characteristic of an insect pollinated flower.
- .....
26. Why is the left part of the heart thicker than its right part?
- .....
27. Mention any one example of a rodent mammal.
- .....
28. Of what importance is drug prescription to a sick person?
- .....

29. Which property of air is illustrated below?



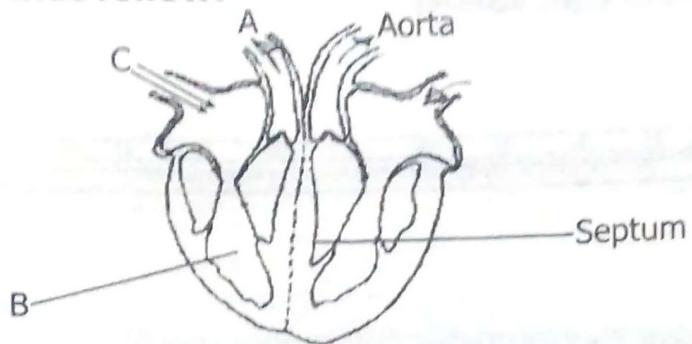
30. Identify the component of air necessary for photosynthesis.
31. State the disease caused by hookworm infestation to humans.
32. Why are wasps referred to as solitary insects?
33. Name the digestive juice produced by the liver in the body.
34. Why is the trachea made up of rings of cartilage?
35. State any one way in which the sun can be disadvantageous to a crop farmer.
36. Mention one application of conduction in daily life.
37. Which substance in the environment can exist in all the three states of matter?
38. What is a stem tuber?
39. Payton is a primary seven pupil who does not want to brush his teeth. Outline any one problem he is likely to face.
40. Name the disease which attacks banana plants.

**SECTION B (60Mks)**

- 41a) List down any two examples of mal nutritional diseases.  
i) ..... ii) .....

- b) Omundu is having brownish hair and swollen stomach. Identify the cause of the above signs.  
.....
- c) Explain the term "balanced diet".  
.....

42. Study the diagram below of a human heart and answer the questions that follow.



- a) Name parts labelled B and C;  
B ..... C .....
- b) Which type of blood is carried by blood vessel marked A?  
.....
- c) Suggest any one danger of drug abuse to one's health.  
.....

43a) What is drug abuse?  
.....

- b) Identify any two examples of drugs abused by people in Uganda.  
..... ii) .....

- i) ..... ii) .....
- c) Suggest one danger of drug abuse to one's health.  
.....

44a) What name is given to the food made by plants?  
.....

- b) Mention the two raw materials necessary for photosynthesis to take place.  
..... ii) .....

- i) ..... ii) .....
- c) Why don't plants carry out photosynthesis at night?  
.....

45a) State one difference between renewable and non renewable resources.  
.....

- b) Cite any two examples of renewable resources in your environment.  
..... ii) .....

- i) ..... ii) .....
- c) Give one way in which people can conserve non-renewable resources.  
.....

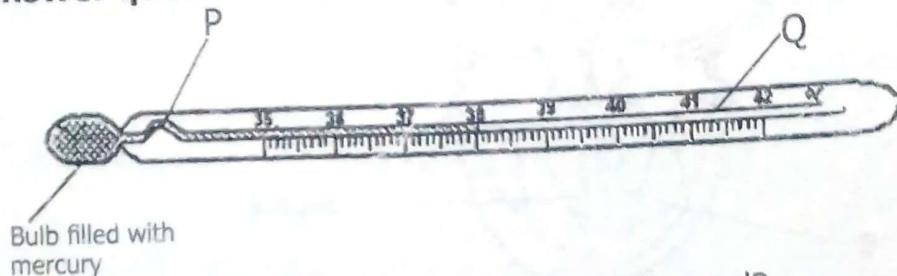
46a) Identify any two methods of seed dispersal.

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

b) Outline two importance of seed dispersal to a plant.

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

47. Below is an illustration of a clinical thermometer. Use it to answer questions that follow.



a) Where is the above thermometer commonly used?  
.....

b) Name parts marked P and Q.  
P .....  
Q .....

c) Cite out any one reason why mercury is used in thermometers.  
.....

48a) Why is rusting called a chemical change?  
.....

b) Give any two examples of biological changes in the environment.  
.....

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

c) Identify one characteristic of a physical change.  
.....

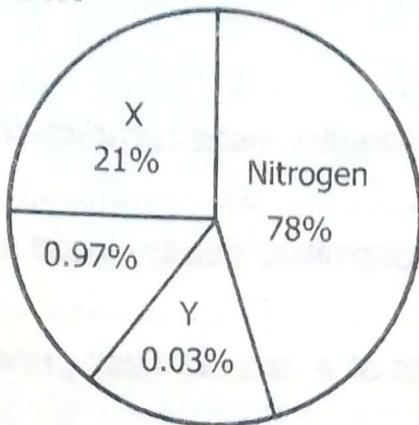
49a) What is digestion?  
.....

b) In which part of the body does digestion of food end?  
.....

c) Complete the table correctly.

Organ	Function
.....	Stores food temporarily and produces hydrochloric acid
Pancreas	.....

50. Study the pie-chart below carefully and respond to the questions that follow.



- a) Identify gases marked X and Y.

X .....

Y .....

- b) Mention any one example of a rare gas you know.

.....

- c) Suggest any one use of oxygen in our environment.

.....

- 51a) Define the following terms as used in sound:

- i) echo

.....

- ii) frequency

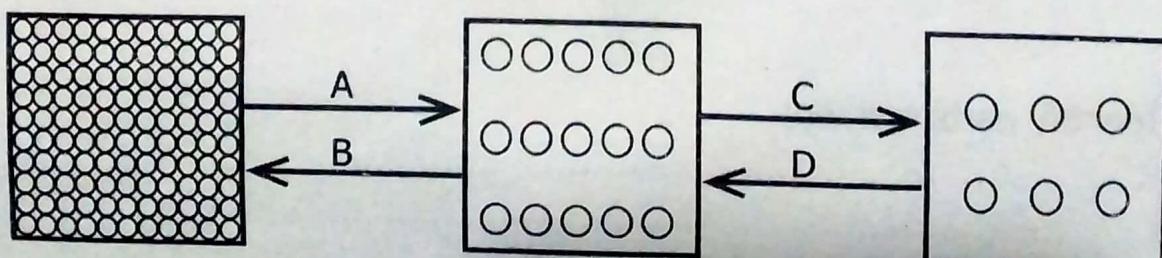
.....

- b) Identify any two examples of string musical instruments.

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

52. The illustration below is showing changes of states of matter.

Study it and answer questions that follow.



- a) Name changes marked;

i) A .....

ii) D .....

ii) C .....

b) In which state of matter is water vapour?

53a) What are poultry vices?

b) Give any two examples of poultry vices common in farms.

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

c) Suggest any one way of controlling poultry vices on a poultry farm.

54a) How do the following parts of a vacuum flask prevent heat loss?

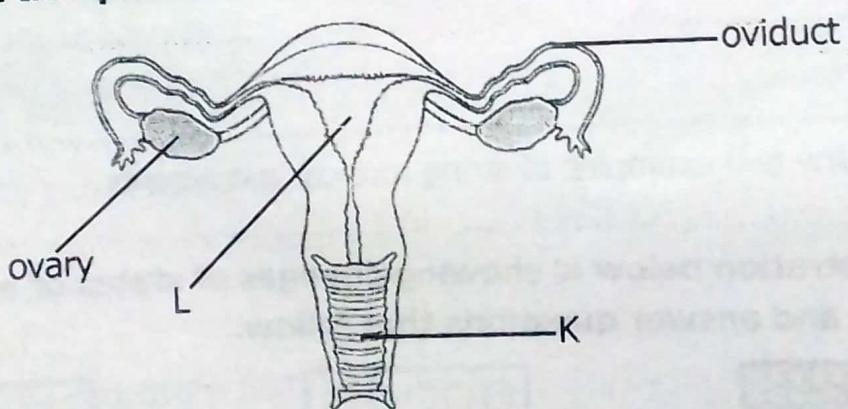
i) Cork

ii) Vacuum

b) Of what importance is a vacuum flask at school?

c) What is heat energy?

55. Below is a diagram of a female reproductive organ. Use it to attempt the questions that follow.



a) Identify parts marked;

i) K ....

ii) L ....

b) What other name is given to the oviduct?

c) State the function of the ovary of a female reproductive system.

~~~~~ Good Luck ~~~~