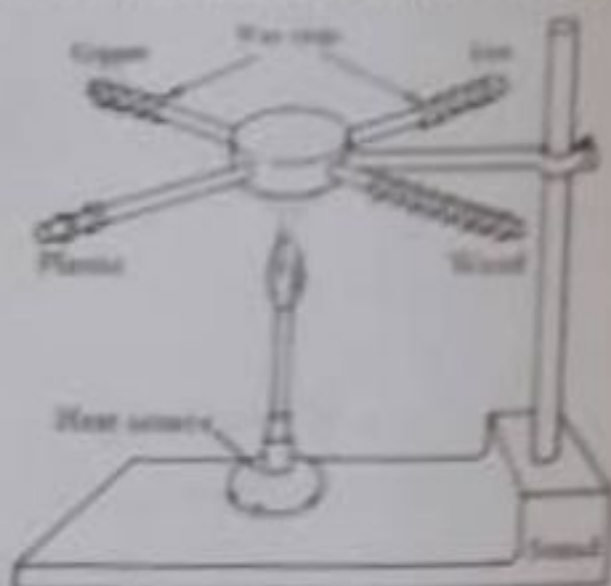


33. Name the mechanism of seed dispersal through which fleshy and juicy fruits are dispersed.

Below is a diagram showing heat transfer in different materials. Use it to answer questions 34 and 35.



34. On which rod will the wax rings melt first?

35. Apart from wood, identify one other material whose wax rings will not melt.

36. Mention one air borne viral immunisable disease in children / infants.

37. Give any one way of making hard water soft.

38. Which property of air enables people to put pressure in bicycle tyres?

39. Name the vector that causes scabies to people.

40. Which type of skeleton does a garden snail have?





MITYANA MUNICIPAL ACADEMIC COMMITTEE

P. L. E. MOCK EXAMINATION 2024

INTEGRATED SCIENCE

Time Allowed 2 Hours 15 Min.

EMIS No.					Personal No.			

Candidate's Name _____ Signature _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

1. Do not open this booklet until you are told to do so.
2. This paper comprises two sections A and B.
3. Section A has 40 short answer questions (40 marks)
4. Section B has 15 questions (60 marks)
5. All answers must be written in blue or black ball point pen or ink.
6. All answers to both sections A and B MUST be written in the spaces provided
7. Diagrams must be done in pencil strictly
8. Any handwriting that cannot be easily read will lead to loss of marks.
9. Unnecessary alteration of work will lead to loss of marks.
10. Do not fill anything in the boxes reserved for examiners' use.

FOR EXAMINER'S USE ONLY		
QN. No.	MARKS	INITIAL
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION B: 60 MARKS

41(a) What is meant by the term rabbit keeping?

.....

.....

(b) What name is given to a young one of a rabbit?

.....

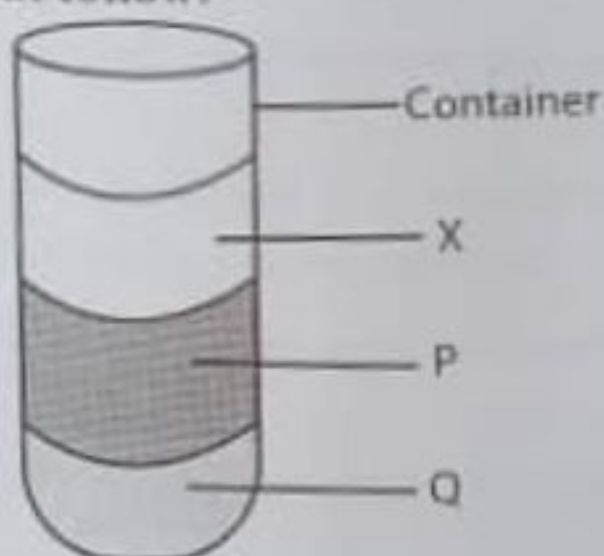
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(c) Give two examples of exotic breeds of rabbits kept in Uganda.

i)

ii)

42. Three liquids mercury, oil and water were put in the same container and they appeared as seen in the diagram below. Use the diagram to answer questions that follow.



(a) Identify the liquids marked X and P;

i) X

ii) P

(b) Why did liquid Q settle at the bottom of the container?

.....

.....

(c) Which instrument is used to measure the density of liquids.

.....

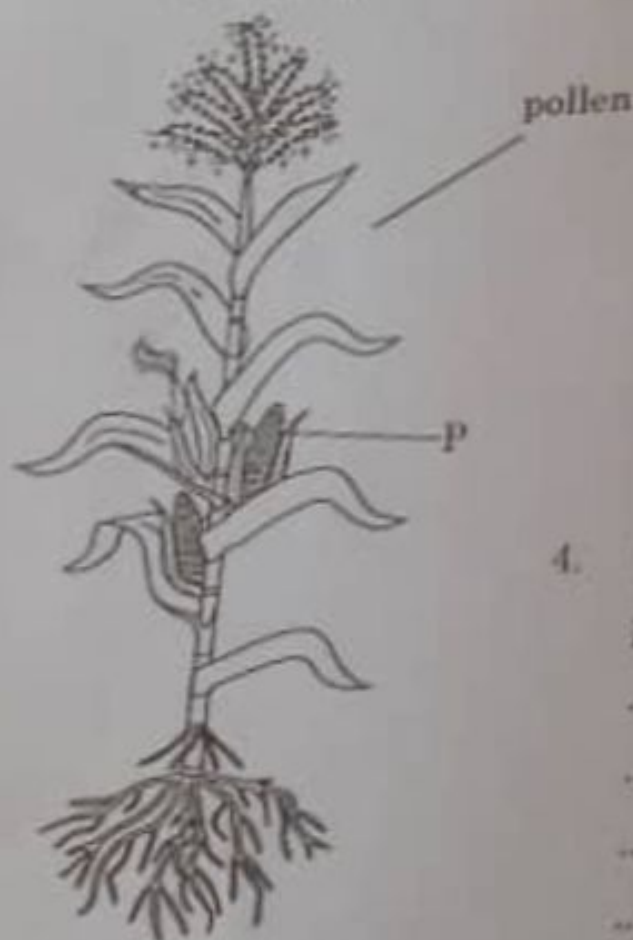
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SECTION A (40 MARKS)

Questions 1 to 40 carry one mark each

1. Give any one material used for cleaning our teeth
.....
.....
2. How does boiling make water safe for drinking?
.....
.....

The diagram below is a maize plant. Use it to answer questions 3 & 4



3. Identify the agent of pollination which helps the above plant to carry out pollination.
.....
.....
.....
4. What does part P turn into after pollination has taken place?
.....
.....
.....

Why do objects weigh less on the moon than on earth?
.....
.....

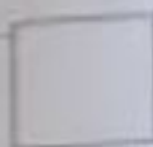
Name the immunisable disease spread by aedes mosquito to man.
.....
.....

43. Match the organisms in A and their respective organs for detecting sound waves in B.

- A
- a) Human beings
 - b) insects
 - c) snails
 - d) fish

- B
- lateral line
 - antennae
 - tentacles
 - ears
 - brain

- a) Human beings
- b) insects
- c) snail
- d) fish



44a) What are health concerns?

(b) Give any two population and health concerns that were discovered in 2024 population and housing census in Uganda.

- i) _____
- ii) _____
- c) Mention the water borne disease that affects the kidney.

45. The diagram below shows an experiment in a P.4 class. Use it to answer the questions that follow.



- a) Identify the solutes marked X and Y

X _____

Y _____

b) Name content marked Z.

c) State the first step taken when preparing the above mixture.

46. Why do builders leave spaces between wall fences during construction?

b) Give two effects of heat loss on matter.

c) Which method of heat transfer enables smoke to move upwards in chimney?

47. Give the functions of the following parts of an electric bell.

i) gong

ii) hammer

(iii) battery

(iv) switch

48a) How do birds of prey obtain their food?

b) State any two characteristics of birds of prey.

c) How is the good eye sight useful to birds of prey?

49(a) Write down the element of PHC that helps to protect community from water borne diseases.

(b) Give any two activities involved in the element mentioned in (a) above.

i)

ii)

(c) Give any one proper way of handling rubbish in the community.



50(a) How do puff balls reproduce?

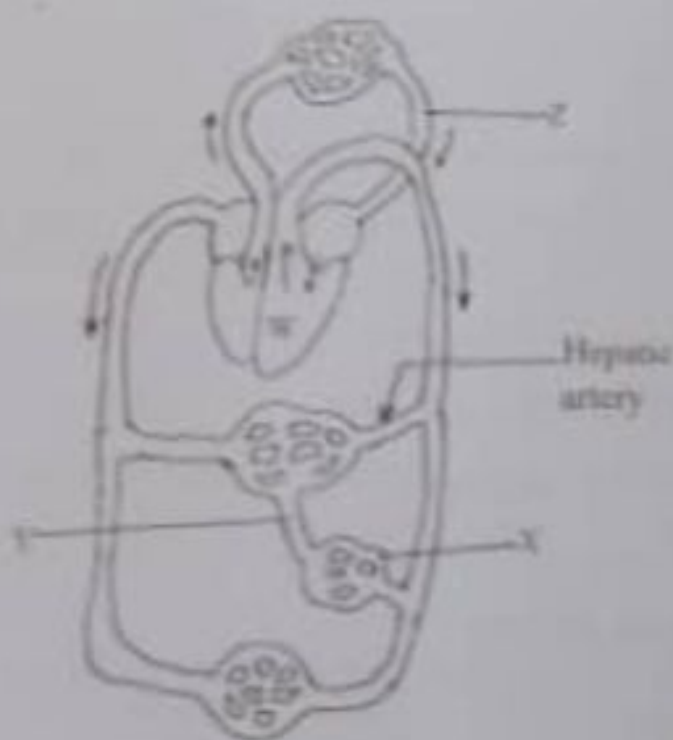
(b) State the difference in function of gills of a mushroom and those of a fish.

(c) Identify two importance of mushrooms to people.

i)

ii)

51. The illustration below shows blood circulation in the body. Use it to answer the questions that follow.



(a) Name the organs marked W and X

W

X

(b) What is the function of blood vessel marked Z

(c) What type of blood is transported by blood vessel marked Y.

32. What kind of blood goes to the kidney?

(b) Give the main function of the kidneys in the body.

(c) State any two ways of keeping the kidneys in a good working condition.

i)

ii)

53. Define the following terms as used in accidents and first aid.

i) a burn

(ii) a scald?

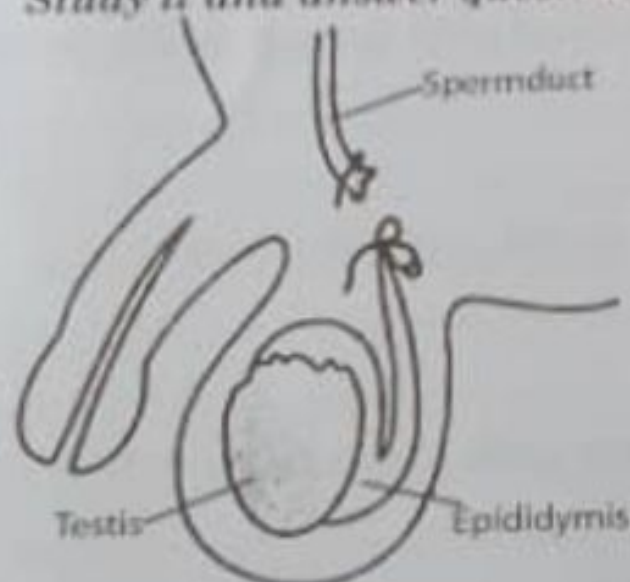
(b) What first aid can you give to a person with the following injuries;

i) a burnt skin

ii) a fractured limb

7. State the adaptation that enables a canine tooth to carryout its function.
.....
.....
8. How does rotational grazing help in the control of cattle parasites like ticks?
.....
.....
9. Apart from the eye, which other organ requires sunlight to perform its function?
.....
.....
10. State any one advantage of using ECOSAN toilets.
..... ☐
11. How do animals like termites depend on soil in the environment?
.....
.....
12. Why is the amount of carbon dioxide breathed out is more than that breathed in?
.....
.....

The diagram below shows a permanent method of family planning. Study it and answer questions 13 and 14.



13. Name the method of family planning shown in the diagram given.
.....
.....
.....
.....

14. Give any one disadvantage of using the method mentioned above.
.....
.....

54. The diagram below is of a water borne toilet. Use it to answer the questions that follow.



(a) Name parts marked X and W

X

W

(b) How is part Y important to the toilet above?

i)

ii)

(c) Why is a water closet toilet not commonly used in rural areas of Uganda?

.....

.....

55a) Define the term photosynthesis.

.....

.....

b) How are the following important during the process of photosynthesis.

i) sunlight

.....

.....

ii) carbondioxide

.....

.....

c) How do animals benefit from the process of photosynthesis?

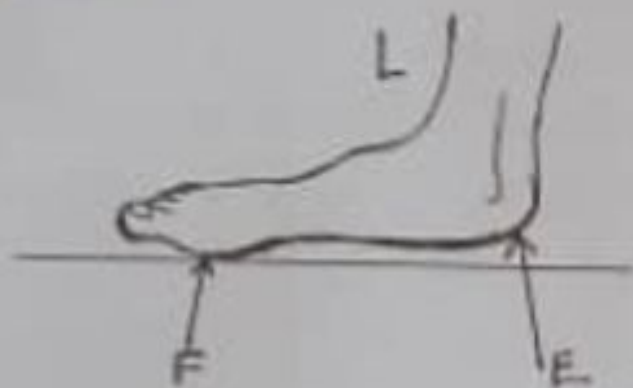
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15. How is the mucus found along the inner walls of the alimentary canal important during digestion?

16. Which type of soil has the smallest inter particle spaces?

Below is a diagram of a human foot Use it to answer questions that follow.



17. Identify the class of levers to which the diagram above belong.

18. Mention any one other machine that belongs to the class of lever mentioned in (17) above.

19. Why is a sugar cane not regarded as a stem tuber yet it stores its food in the stem?

20. State any one way a P.7 pupil can manage his / her body changes.

21. Mention any one breed of goats kept for milk production on East Africa.

22. Why are rabbits not classified under rodents when grouping mammals?

23. How are rodents dangerous to root crop farmers?
24. In which one way are draught cattle important to farmers?
25. How is an invalid different from a convalescent?
26. State any one reason why people abuse drugs.
27. How are bacteria and fungi important in the process of soil formation.
28. Name the poisonous gas produced by burning tobacco.
29. How is a dust bin important in a class room at school?
30. State any one use of electricity in our daily life
31. Why should one include potassium and sodium in his / her diet?
32. Give a reason why crop farmers include legumes when carrying out crop rotation.