



KITGUM MUNICIPAL COUNCIL EXAMINATION COMMITTEE
PRE-PRIMARY LEAVING EXAMINATION, 2022
PRIMARY SEVEN
INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

Random No.						Person No.		

Candidate's Name.....

Candidate's Signature.....

District.....

Read the following instructions carefully.

1. This paper has two Sections: **A** and **B**.
2. Answer all questions. All answers to both sections **A** and **B** must be written in the spaces provided.
All answers must be done using a blue or black ball-point pen or fountain pen.
- 3.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot be easily read may lead to loss of marks.
Do not fill anything in the boxes indicated:
6. "For Examiners' Use Only" and those inside the question paper.

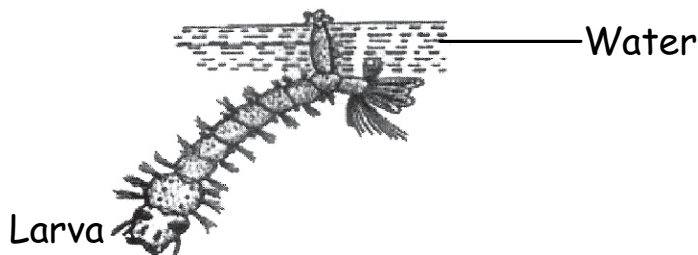
FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXRS' NO.
01 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A (40 MARKS)

Question 1 to 40 carry 1 mark each.

1. Which sense of the body is greatly damaged by leprosy?
.....
2. Give **one** reason why the efficiency of simple machines is always less than 100%.
.....
3. Mention any **one** non-viral sexually transmitted disease.
.....
4. State **one** importance of recycling metals as a method of environmental conservation.
.....
5. How does constant mulching of the garden help in improving soil fertility?
.....

The diagram below shows a mosquito larva. Use it to answer questions 6 and 7.

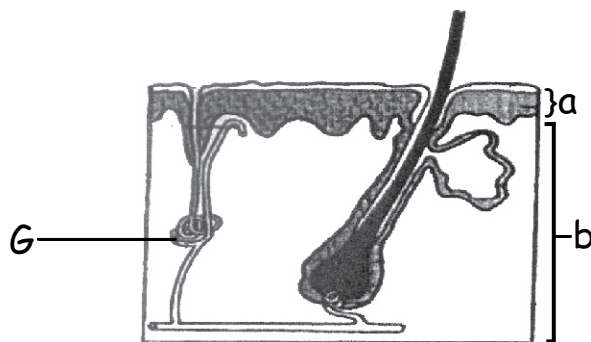


6. Identify the type of mosquito whose larva is shown above.
.....
7. State **one** way of controlling the spread of diseases by mosquitos at the stage shown above.
.....
8. Why do veins have wider blood passages?
.....
9. Give **one** factor considered when selecting a good stem cutting for planting.
.....
10. Why do medical workers discourage couples from using vasectomy as a method of contraception?
.....



11. Name the first aid kit used to minimize bleeding when administering first aid to a person with a deep cut.
.....
12. Mention **one** traditional method of food preservation that makes use of heat energy.
.....
13. Give the difference in the function between ligaments and tendons in the human body.
.....
.....
14. Name **one** instrument used to measure weight of substances.
.....
15. State any **one** property of matter.
.....
16. In which way is the absence of iodine in children's diet dangerous to their health?
.....

The diagram below is of a human skin. Use it to answer questions 17 and 18.



17. Name the layer of the skin marked a.
.....
18. What happens to part G during adolescent?
.....
19. Why should harvested cereals be properly dried before they are stored?
.....
20. Give the component of air whose supply increases in the soil by planting legumes.
.....

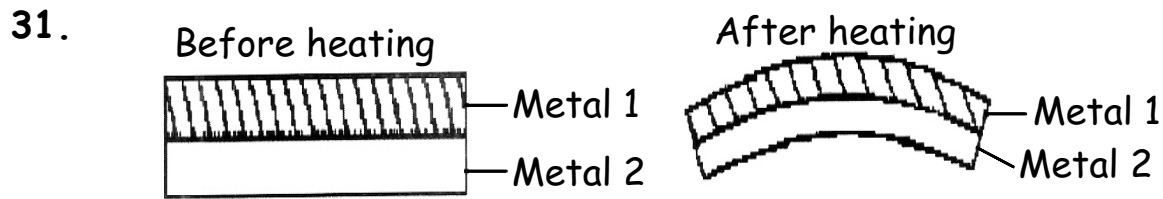
21. Which part of a white blood cell enables it to fight against germs?
.....
22. Give the reason why images cannot be formed on the blind spot of the retina in the eye.
.....
23. When does a person become dehydrated?
.....
24. Write down the vaccine that is administered against three immunisable diseases.
.....
25. Give **one** importance of soaking clothes for some time before washing them.
.....

The diagram below shows a woman cooking food. Use it to answer the questions 26 and 27.



26. In which way does heat from the furnace reach the woman?
.....
27. Why did she cover her food using banana leaves?
.....
28. Write down any **one** musical instrument used to produce sol-fa notations of sound when it is played.
.....
29. Mention **one** form of sexual deviation common among youths.
.....

The experiment below was carried out by a P.5 class to find out the effect of heat on a bimetallic strip. Use it to answer questions 30 and 31.



30. Why did the strip form a curve after it was heated?

.....

31. State **one** application of bimetallic strips in our daily life.

.....

32. Give any **one** exotic breed of pigs kept in Uganda.

.....

33. State the main source of energy in a food chain.

.....

34. How are insects adapted to walking on walls without falling?

.....

35. Write down **one** plant that reproduces by sporulation.

.....

36. How does the use of wire mesh to construct a hutch promote proper air circulation?

.....

37. Write down the end product of digestion of proteins in humans.

.....

38. Mention **one** element of PHC promote through organizing regular health parades.

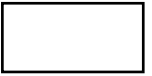
.....

39. Give **one** factor considered when prescribing essential drugs for patients.

.....

40. How do pawpaw plants avoid self-pollination?

.....



SECTION B (60 MARKS)

Questions 41 to 55 carry four marks each.

41.(a) What type of change is decomposition of organic matter?

.....

(b) Mention **one** group of organisms that help in decomposition of organic matter.

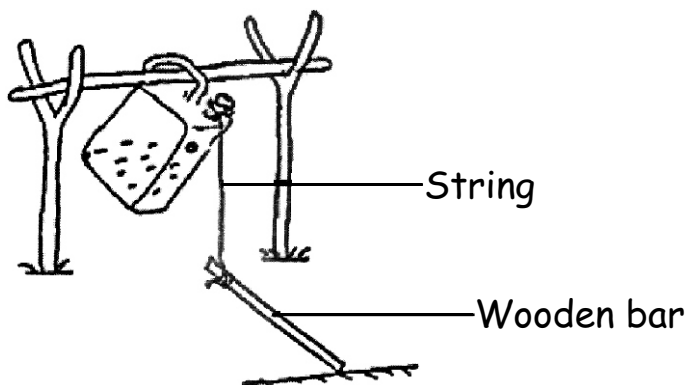
.....

(c) State **two** ways in which bush burning affects decomposition of organic matter.

(i)

(ii)

42. The diagram below is of a sanitary item common in schools. Use it to answer questions that follow.



(a) Name the sanitary item above.

.....

(b) To which class of levers is the above sanitary item?

.....

(c) Give a reason for your answer in (b) above.

.....

(d) Give **one** importance of promoting proper sanitation at school.

.....

43. The table below shows parts of the eye similar in function with those of the modern camera. Fill the table correctly.

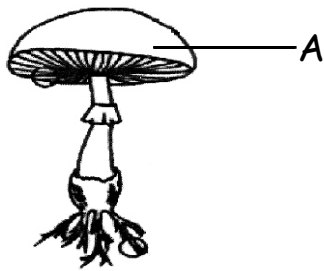
PARTS OF THE EYE	PARTS OF THE CAMERA
Iris
.....	Film
Pupil
.....	Shutter

44.(a) Name the farm activity where;

- (i) Testes are removed from male cattle.
.....
- (ii) In calf heifer is fed on high protein value feeds.
.....
- (b) Give **one** reason why farmers carry out the activity in a (ii) above.
.....
- (c) Mention **one** method of improving the quality of local breeds of cattle.
.....

- 45.(a) Which garden tool is used by crop farmers for transplanting seedling?
.....
- (b) Give a reason why seedlings should be hardened off before transplanting.
.....
- (c) Apart from hardening off, give **two** other ways of caring for seedlings in a nursery bed.
- (i)
- (ii)

46. The diagram below is a fungus. Study it to answer questions that follow.



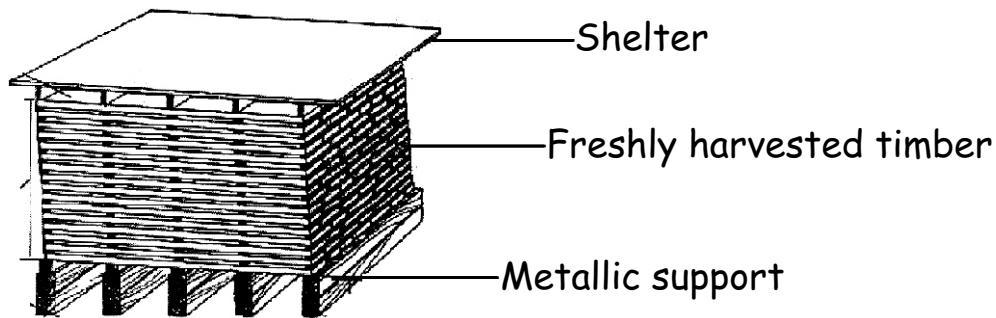
- (a) Name part A.
.....
- (b) Use an arrow with letter X show a part produces spores.
- (c) How does the fungus above obtain its food?
.....
- (d) Mention **one** negative effect of fungi to people.
.....

47. Match the group of birds to the way their feet are adapted to their function correctly.

A (GROUP OF BIRDS)	B (ADAPTION OF FEET)
Climbing birds	Toes have strong, sharp and curved claws.
Perching birds	Three toes point forward and one toe points backwards.
Wading birds	Two toes point forward and two toes backwards.
Birds of prey	Toes are partly webbed.

- (a) Climbing birds.....
- (b) Perching birds.....
- (c) Wading birds.....
- (d) Birds of prey.....

48. The diagram below shows an activity carried out by farmers after harvesting wood for timber in agro-forestry. Study it carefully to answer questions that follow.



- (a) Identify the farm activity above.
-
- (b) Why do farmers carry out the activity in (a) after harvesting timber?
-
- (c) State the importance of dipping the freshly harvested timber in used engine oils and diesel.
-
- (d) Write down **one** modern method of harvesting trees in agro-forestry.
-

49.(a) Mention **two** common signs of malnutrition in children.

- (i)
- (ii)
- (b) Name the food nutrient whose deficiency affects the proper functioning of platelets.
-
- (c) State the best way of protecting children against deficiency diseases.
-



50. (a) Give the method of preparing alcohol where heat is required.

.....

(b) State **two** dangers of alcoholism to a family.

(i)

(ii)

(c) Mention **one** life skill that an individual must have to safe guard against alcoholism.

.....

51.(a) To which system of the body do the lungs belong?

.....

(b) Give the use of rings of cartilage to the trachea.

.....

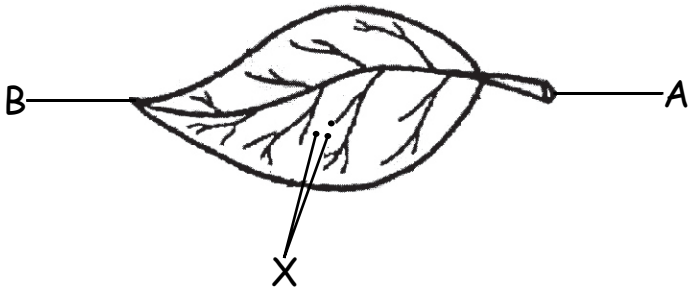
(c) What happens to the lungs during breathing in?

.....

(d) Mention one bad practice that affects proper functioning of the lungs.

.....

52. The diagram below is of a simple leaf. Study it carefully and answer questions that follow.



- (a) Identify parts marked **A** and **B**.
- (i) A.....
- (ii) B.....
- (b) Mention **one** process that takes place in structures **X**.
-
- (c) In which way does size of a leaf affect the rate of transpiration?
-

53.(a) Which type of honey bees develop from unfertilized eggs in a hive?

.....

- (b) Name any **two** materials collected from flowers by bees.
- (i)
- (ii)
- (c) How does bee keeping help in the control of marasmus in the community?
-

54.(a) Name **two** methods of heat transfer that require matter.

(i)

(ii)

(b) Give **one** reason why mercury is commonly taken to be the best thermometric liquid.

(c) How is a magnet useful to people who use six's thermometer?

55. The information below was collected from four communities by a school health club.

ORGANISM	COMMUNITY A	COMMUNITY B	COMMUNITY C	COMMUNITY D
Ticks	✓	✓	X	X
Bees	X	✓	X	✓
Mosquitoes	✓	✓	✓	X

Key

✓ -Present

X -Absent

(a) Identify **one** disease that is likely to affect people who stay in community B.

(b) Which community is suitable for cattle keeping but not crop growing?

(c) Give a reason for your answer in (b) above.

(d) How is the above information important to a school health club?