

# ENTEBBE MUNICIPAL COUNCIL SCHOOLS

## ACADEMIC BOARD

### PRIMARY LEAVING MOCK EXAMINATION - 2019

### INTERGRATED SCIENCE PAPER

Time Allowed: 2 Hours 15 Minutes

Date: .....

Time: 9:00AM

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Index No.

Candidate's Name: \_\_\_\_\_

Candidate's Signature: \_\_\_\_\_

School Name: \_\_\_\_\_

District Name: \_\_\_\_\_

Read the following instructions carefully:

1. The paper has **two** Sections: **A** and **B**.
2. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the Space provided.
3. **All** answers must be written using a blue Or black ball -point pen or ink.
4. Unnecessary changes 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 shown:

**"For Examiners' Use Only"** and those Inside the question paper.

**FOR EXAMINERS' USE ONLY**

**FOR EXAMINERS' USE ONLY**

Qn. No.	Marks	Examiner's No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		

## SECTION A (40 MARKS)

Questions 1 to 40 carry one mark each

1. Name any one raw material needed for respiration to take place in the human body cells.  
\_\_\_\_\_
2. How can a P.7 pupil tell that a plant is a legume by looking at its roots?  
\_\_\_\_\_
3. State any one way human beings benefit from having excretory organs in their bodies.  
\_\_\_\_\_
4. The Science teacher was totally injured in a motor accident. Why was it important for the doctor to feel the Pulse (heart beat) of the teacher?  
\_\_\_\_\_
5. The Town Clerk of Entebbe Municipality uses a paddock system on his Animal Farm. Why can't his animals be easily attacked by East Coast fever?  
\_\_\_\_\_
6. Name the property of air that enables a barber to use aerosol spray as shown in the diagram below.  
\_\_\_\_\_



7. What is the importance of weather forecasting to the people in Bududa?  
\_\_\_\_\_
8. Name any one activity that involves collection of material that have been thrown away so that they are processed into new product.  
\_\_\_\_\_

Give the organisms below, use them to answer question (9)

Lion, Grass, Bacteria, Bush-buck

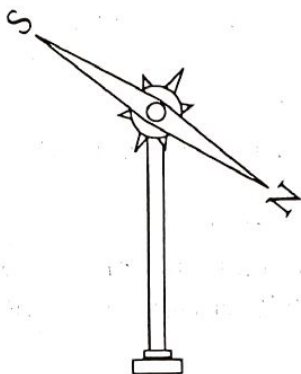
9. Re-arrange the above organisms to form a food chain  
\_\_\_\_\_

10. The boy's uniform caught fire and he rolled on the ground several times until the fire went out. What would happen to the boy if he ran fast yelling for help?
- 
11. Why is the government of Uganda carrying out circumcision of male children and adults free of charge?
- 
12. Name the egg-laying mammal shown below.



- 
13. Why is the moon not regarded as a star?
- 
14. State any one adaptation of a seed dispersed by wind.
- 
15. Which characteristic of living things that enables them to multiply and increase in number?
- 
16. Name any one sex deviation
- 
17. In a struggle to look for school fees for his children, Mr. Onyango burnt wood under limited supply of oxygen. Give one danger of this practice to the life of Mr. Onyango.
- 
18. Give any one way through which convection currents help to improve our environment.
- 

The diagram below shows a needle magnet. Use it to answer the question that follows.

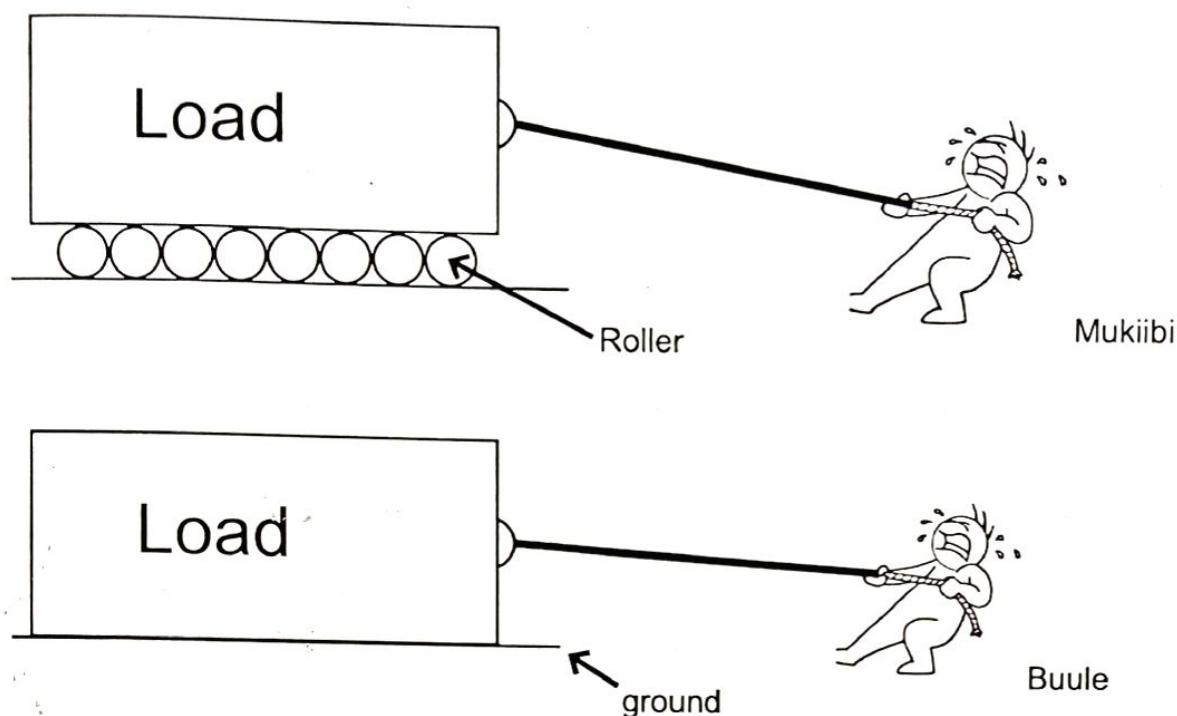




29. The candidates shouted loudly in a big examination hall. As they shouted, they heard another similar sound. Give a name to this similar sound the candidates heard after shouting?

Mukiibi pulls a load of 30kg over a set of cylindrical wooden rollers.

Buule pulls another load of the same weight along the ground (see the Diagram below).



30. Explain why Buule uses more force than Mukiibi to pull the load.

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31. How does refrigeration help to preserve perishable food stuffs?

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32. Apart from centrifuging, give one other method used to harvest honey.

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33. Give any one structural difference between a VIP latrine and a convectional latrine.

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34. Why should one not be afraid of sharing the same classroom with someone infected with AIDS/HIV?

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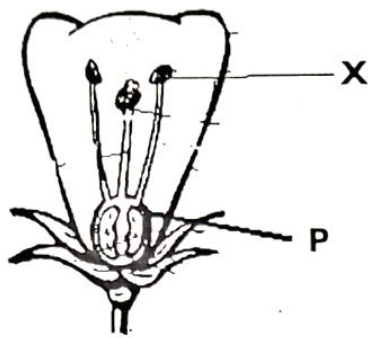
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35. Apart from contracting sexually transmitted diseases, why would you advise a girl who has started menstruating to abstain from sex?

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The diagram below is of a flower. Use it to answer questions 36 and 37.



36. Name the part labelled X

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37. What does the part labelled P become after fertilization?

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38. How is hydro-electricity generated at Jinja reach a consumer in Koboko?

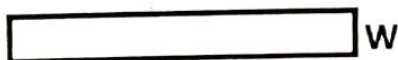
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39. The school Askari entered a classroom and started smoking, how is this dangerous to the pupils in the room?

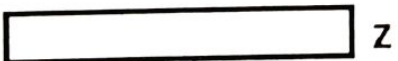
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40. The diagram below are two types of metals of the same size and same length. Study them and answer the question that follows.

Before heating



W

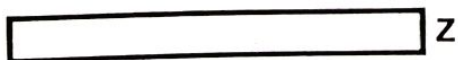


Z

After heating



W



Z

Explain the cause of the difference in length after the metals have been heated.

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## SECTION B ( 60 MARKS)

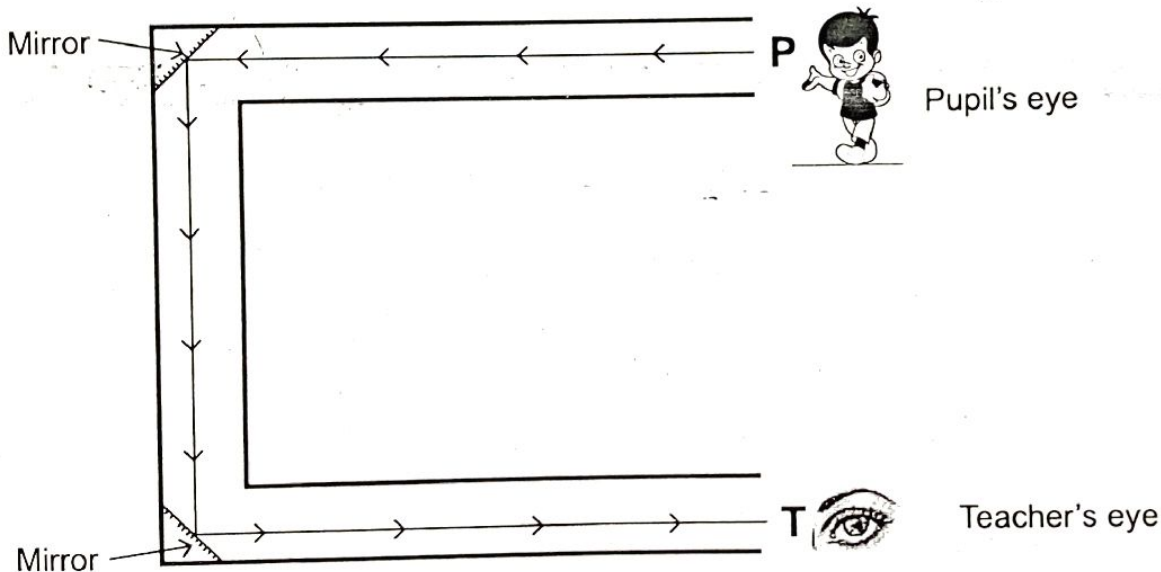
Questions 41 to 55 carry marks each

41. Ndagga Foundation for disabled children feeds the children on the food stuffs rich in the classes of food below.

Carbon hydrates, Proteins, Vitamins, Mineral salts, Roughages

- a) Which class of food from the list would you recommend for children suffering from
- i) Constipation? \_\_\_\_\_
- ii) Anaemia ? \_\_\_\_\_
- b) What name is given to a meal containing all food values in their right amounts?
- \_\_\_\_\_
- c) Identify the element of PHC that helps in the control of deficiency diseases in the community.
- \_\_\_\_\_

42. The diagram below is an instrument used in science.



- a) What is the name of the above instrument?
- i) \_\_\_\_\_
- b) How is the science teacher at position T able to see the pupil at position P?
- \_\_\_\_\_
- c) What type of mirrors are used in the above instrument?
- \_\_\_\_\_
- d) Give one situation where this Instrument is used.
- \_\_\_\_\_

43. The table below shows part of child's immunization card. Use it to answer questions (a) and (d) below

	Dates of Immunization		
BGG	31/3/2017		
POLIO	12/5/2017	22/7/2017	06/11/2017
DPT	12/5/2017	22/7/2017	06/11/2017
MEASLES	25/12/2017	COMPLETED	

a) When was this child born?

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b) Give a reason to support your answer in (a) above

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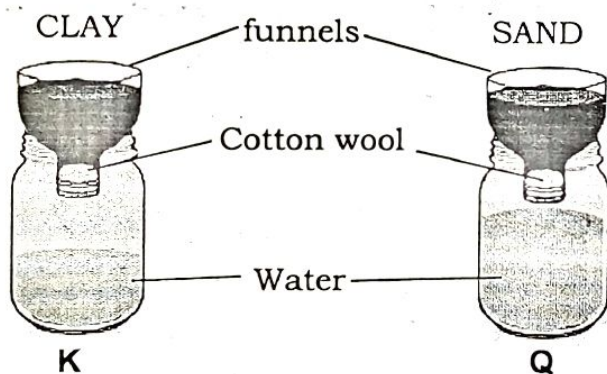
c) State any one disease whose vaccine is given in more than one dose.

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d) Give a reason why measles vaccine is administered at 9 months of age?

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44. Below is an experiment to show water drainage through different types of soil carried out by primary five pupils during a science lesson. Study it carefully and answer the questions that follow.



a) Why does soil sample Q drain water easily?

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b) Give a reason for your answer.

---

c) Which of the soil samples above is most needed for making pots?

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d) Name any one other soil sample apart from the above soil samples.

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45. A family of Mr. Akinyi in Busambaga village has 7 children. The eldest is 8 years and the youngest is 4 months.

a) Give any two health problems the mother is likely to face.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) How can such problems be solved in a family?

\_\_\_\_\_

c) Give any one permanent birth control method.

\_\_\_\_\_

46. A school cook removed the cover from a kettle full of boiling milk. One arm of the school cook was burnt by the steam of boiling milk.

a) What kind of burnt did the school cook get?

\_\_\_\_\_

b) What First Aid would you give to the school cook?

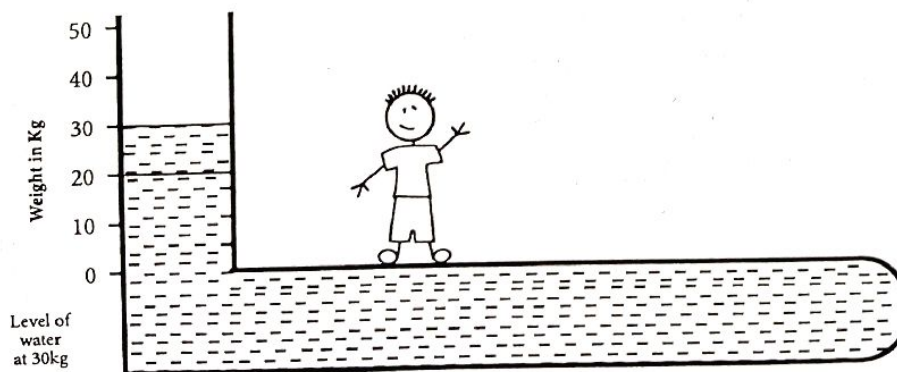
\_\_\_\_\_

c) Give any two advantages of giving First Aid to casualties.

i) \_\_\_\_\_

ii) \_\_\_\_\_

47. The diagram below is of a weighing machine which uses liquid. It was used during the Sports Day for screening participants of different weights in Kg at Katabi Primary School playground. Study it carefully and answer the questions that follow.



a) What is the weight of the boy?

\_\_\_\_\_

b) Where will the level of the liquid be when the boy gets off the machine?

\_\_\_\_\_

c) Explain what happens if a games teacher whose weight is 90kg stands on the weighing machine.

\_\_\_\_\_

\_\_\_\_\_

48. In Entebbe Grade B Hospital, ten patients were diagnosed and found to be suffering from Ebola.

a) State any two control measures the Ministry of Health had to take to prevent the spread of the disease.

i) \_\_\_\_\_

ii) \_\_\_\_\_

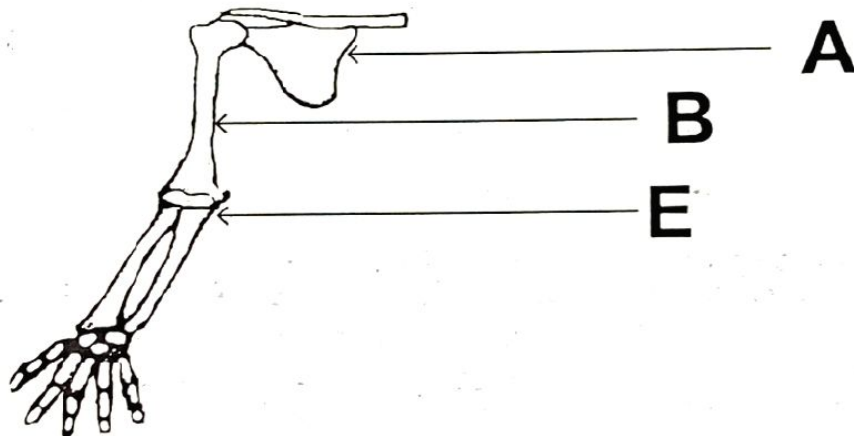
b) Give any one sign of a person suffering from Ebola.

\_\_\_\_\_

c) Name any one health life skill the community would practice in order to prevent the spread of Ebola.

\_\_\_\_\_

49. The diagram below is of a human arm. Use it to answer the questions that follow.



a) Name parts marked with letters.

i) A \_\_\_\_\_

ii) B \_\_\_\_\_

b) Identify the movable joint found in part marked with letter E

\_\_\_\_\_

c) Name any one immunisable disease which attacks bones.

\_\_\_\_\_

50.a) Mention any two methods recommended for harvesting trees

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Why is wood cut for timber supposed to be dried under a shade?

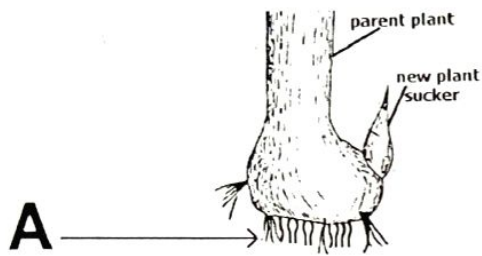
\_\_\_\_\_

\_\_\_\_\_

c) State any one way of preserving wood in form of timber.

\_\_\_\_\_

51. The diagram below shows a sucker of a certain plant. Use it to answer the questions that follow.



- a) Name the roots labelled with letter A.

\_\_\_\_\_

- b) Name two plants propagated by suckers.

i) \_\_\_\_\_

ii) \_\_\_\_\_

- c) Give any one example of artificial vegetative propagation.

\_\_\_\_\_

52. Kiyingi's radio uses batteries of 1.5 volts. In order for the radio to work it requires 12 volts.

- a) How many such batteries will the radio require? (Show the working)

\_\_\_\_\_

(2 marks)

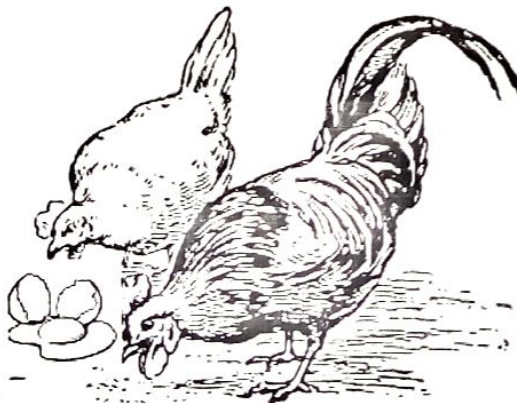
- b) Why are electric circuits meant to carry larger voltage installed with a fuse?

\_\_\_\_\_

- c) What name is given to materials which do not allow electricity to flow through them?

\_\_\_\_\_

53. The diagram below shows one of the common vices found in layers on poultry farm. Study the diagram carefully and answer the question that follow.



- a) Name the vice shown above.

\_\_\_\_\_



b) State any two causes of vices found in layers at the poultry farm.

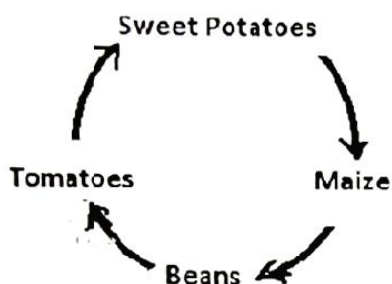
i) \_\_\_\_\_

ii) \_\_\_\_\_

c) State any one control measure of the vice in 53(a) above.

\_\_\_\_\_

54. The diagram below shows a farming practice. Study it carefully and use it to answer the questions that follow.



a) Identify the farming practice above.

\_\_\_\_\_

b) Why do farmers include cover crops in the above farming practice?

\_\_\_\_\_

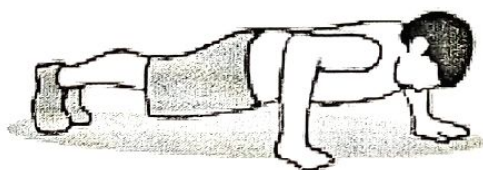
c) How does the above farming practice control pests?

\_\_\_\_\_

d) Give a reason why farmers carry out gaps filling.

\_\_\_\_\_

55. The diagram below shows a fat man doing one of the physical body exercises. Use it to answer the questions that follow.



a) State any three reasons why physical body exercises are good for a fat man shown above?

i) \_\_\_\_\_

ii) \_\_\_\_\_

\_\_\_\_\_

b) Give any one danger of vigorous physical body exercise to the health of an elderly person.

\_\_\_\_\_

**END**