ENTEBBE MUNICIPAL COUNCIL SCHOOLS
ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATION - 2019
INTERGRATED SCIENCE PAPER

Time Allowed: **2 Hours 15 Minutes**

Date: .....

Time: 9:00AM

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 fore casting 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

_____

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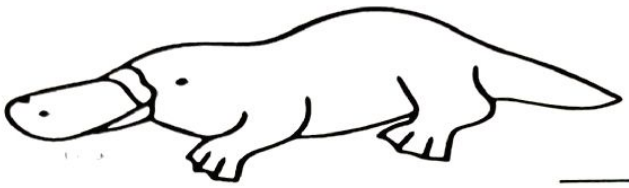
10. The boy's uniform caught fire and he rolled on the ground several times until the fire went out. What would happen to the boy if he ran fast yelling for help?

_____

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

_____

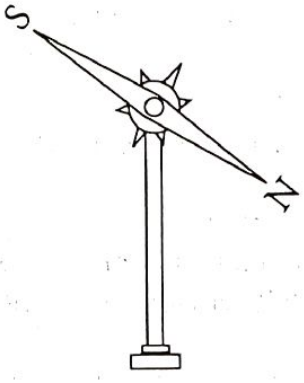
17. In a struggle to look for school fees for his children, Mr. Onyango burnt wood under limited supply of oxygen. Give one danger of this practice to the life of Mr. Onyango.

_____

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.



19. How does a pilot benefit from a needle magnet pivoted at the centre of the compass in the plane?

_____

20. Give any one form of pollution man does to the environment.

_____

21. State any one population concern that was addressed in the recent concluded population census in Uganda.

_____

22. Name any one place where near-drowning and drowning can be found at our home.

_____

23. What name is given to the blood vessel that carries blood with digested food from ileum to the liver?

_____

24. State one advantage of alcohol over mercury as liquids commonly used in thermometers.

_____

25. Give one health life style expected of a pregnant mother.

_____

26. **Draw an example of a foot of a preying bird in the space provided below.**

27. In which way are chemical changes similar to biological changes?

_____

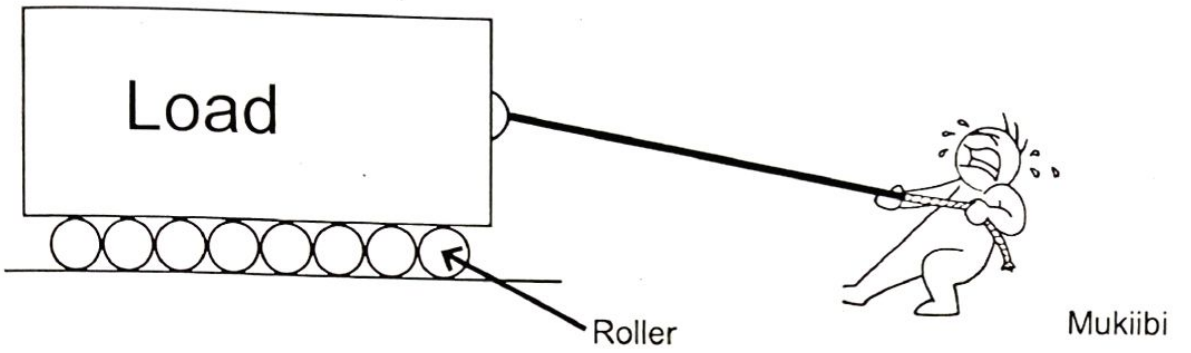
28. Why is sunshine unable to reach delicate weather instruments kept in Stevenson?

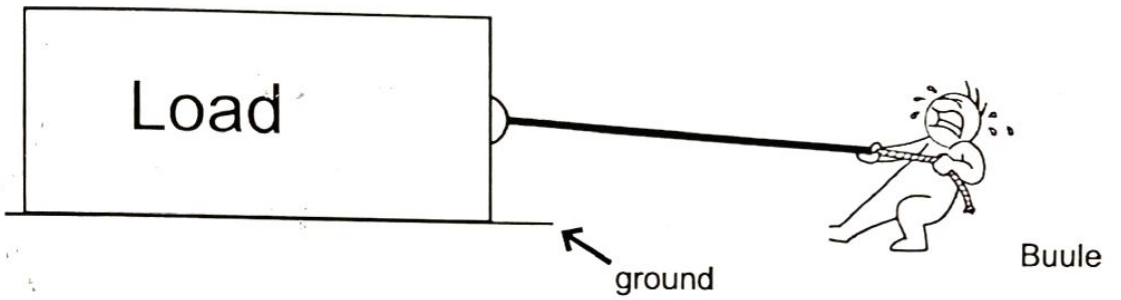
_____

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 Digram below).





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

_____

_____

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

_____

_____

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

_____

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

_____

_____

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

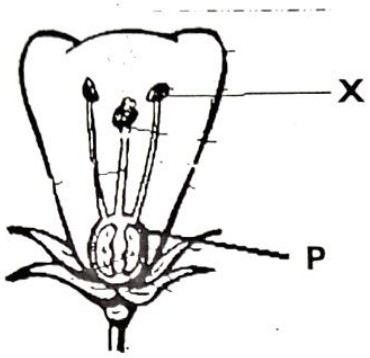
_____

_____

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

_____

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



36. Name the part labelled X

_____

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

_____

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

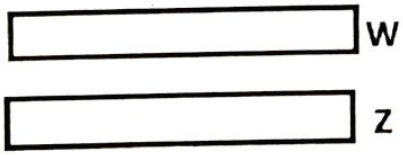
_____

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

_____

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



After heating

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 ? _____

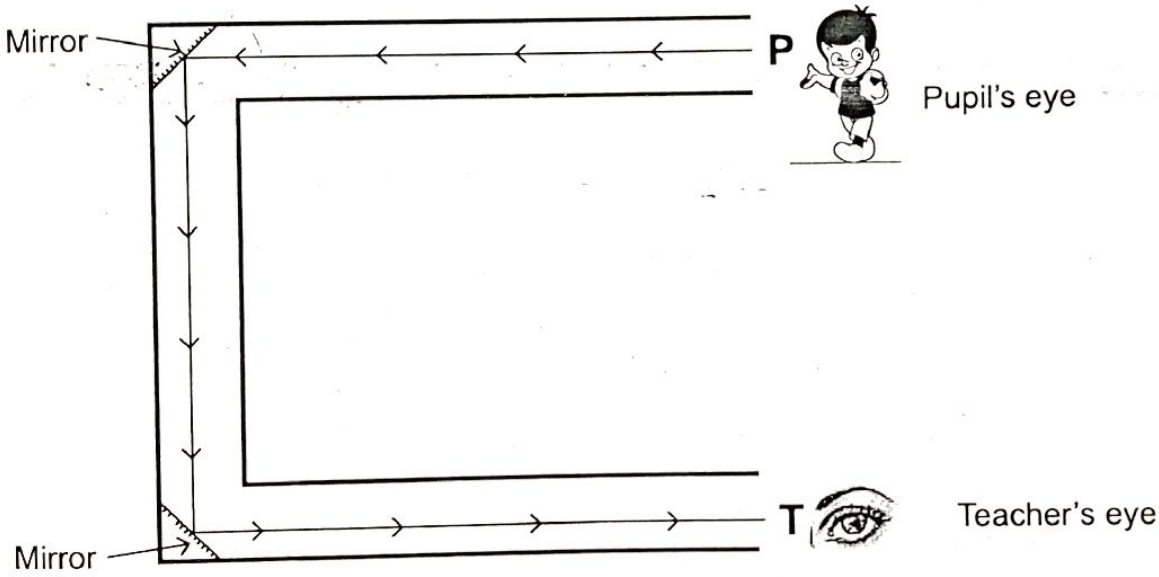
b) What name is given to a meal containing all food values in their right amounts?

_____

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?

_____

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

_____

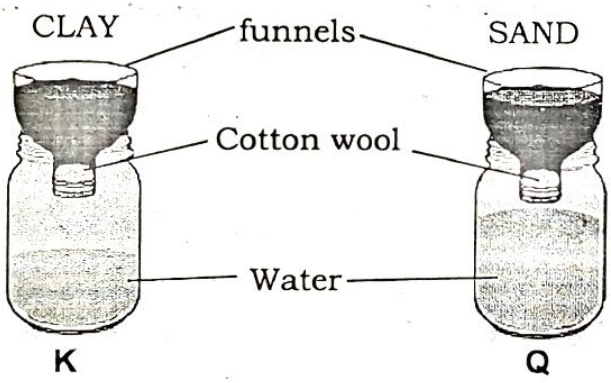
c) State any one disease whose vaccine is given in more than one dose.

_____

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

_____

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?

_____

b) Give a reason for your answer.

_____

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

_____

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

_____

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?

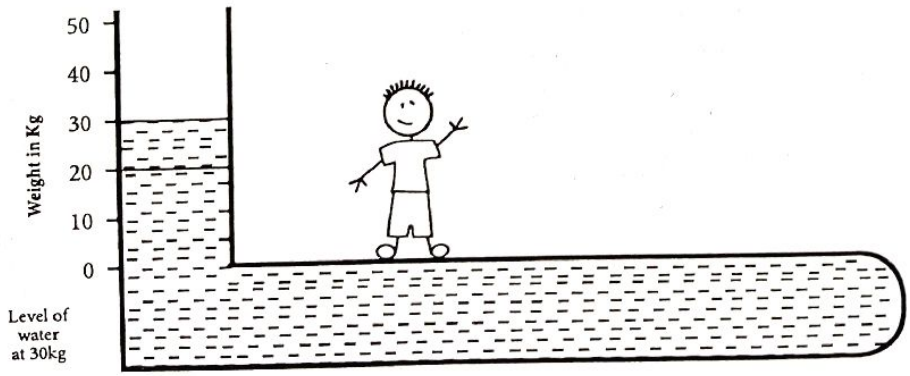
_____

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) _____

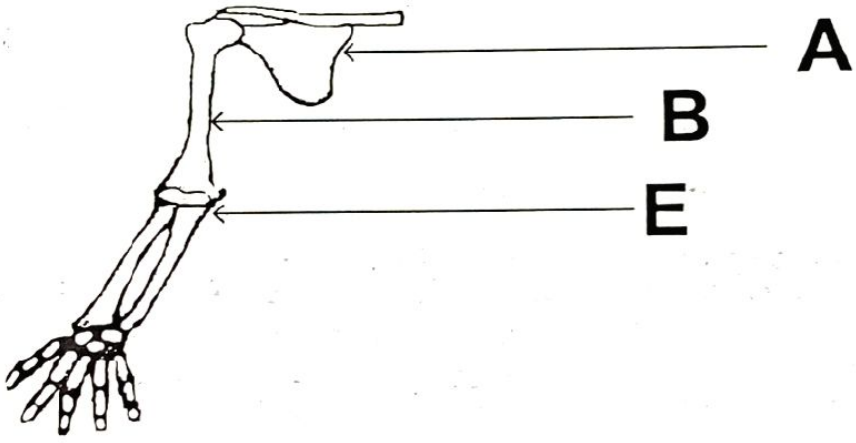
b) Give any one sign of a person suffering from Ebola.

_____

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?

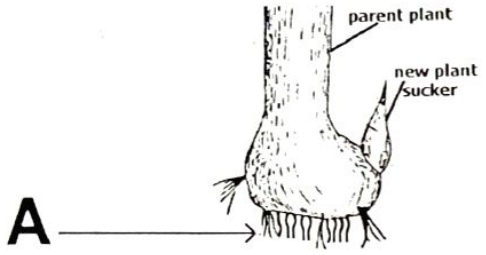
_____

_____

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)

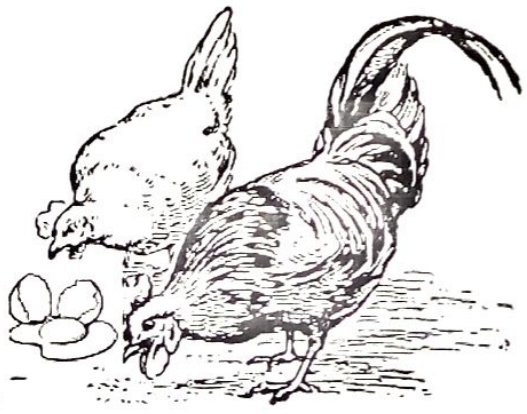
b) Why are electric circuits meant to carry larger voltage installed with a fuse?

_____

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.

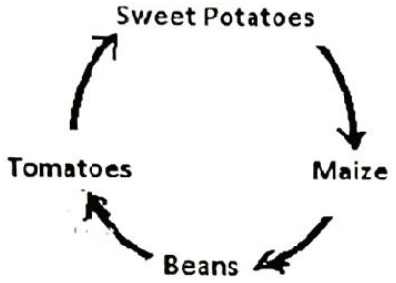
i) _____

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?

_____

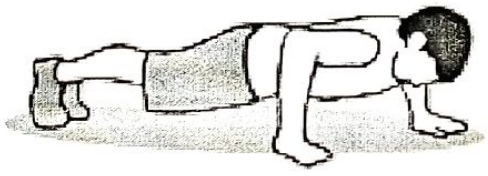
c) How does the above farming practice control pests?

_____

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

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