



HOIMA DIOCESE EXAMINATION BOARD
PRIMARY SEVEN MOCK EXAMINATION, 2022
SCIENCE

Time allowed: 2 Hours 15 Minutes

Index no.

--	--	--	--	--	--	--	--	--	--

Candidate's Name.....

Candidate's Signature.....

School Name.....

District.....

Reading the following instructions carefully.

**FOR EXAMINERS' USE
ONLY**

1. This paper has two sections A and B

Section A has 40 questions and section B has 15 questions.

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. Any work written in pencil will not be marked.

4. Unnecessary changes in your work and handwriting that cannot be read may lead to loss of marks.

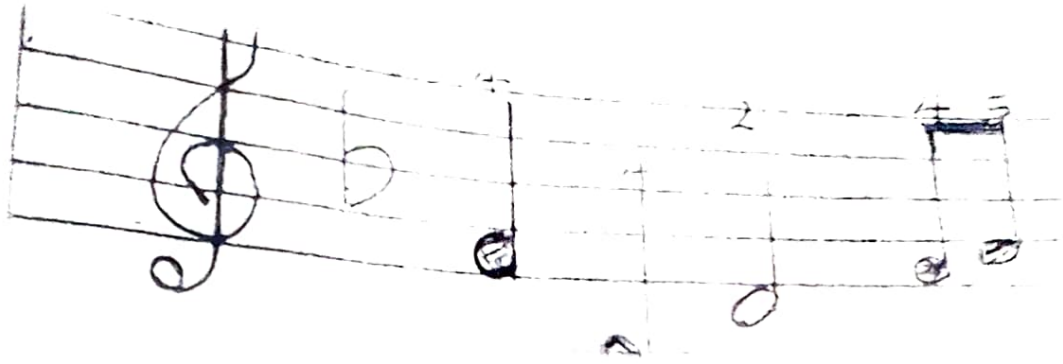
5. Do not fill anything in the boxes indicated "For Examiner's Use" only and boxes inside the question paper

Q.N.O.	MARKS	EXR'S NO
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A: 40 MARKS

1. What name is given to a male rabbit?
.....
 2. State the best way a P.7 pupil can avoid the infection of HIV/AIDS.
.....
 3. Apart from weathering, mention another process of soil formation.
.....
 4. How are ventilators useful to the people living in the house?
.....
 5. State the basic law of magnetism.
.....
 6. Giving one-way air circulation in a VIP latrine can be increased.
.....
 7. State any **one** characteristic of an insect.
.....
 8. In the space provided below, draw a simple serrated leaf.
9. Name the type of bones found in the arms and legs.
.....
10. How can a P.7 candidate find the volume of an irregular object?
.....
11. What is teenage pregnancy?
.....
12. Murungi's motorcycle caught fire and started burning. Giving any one method that
can be applied to put off the fire.

The diagram below shows a method used to store sound. Use it to answer questions 13 and 14



13. Which method of storing sound is shown above?
.....
14. How can sound stored by the above method be reproduced?
.....
15. What is the use of a sunshine recorder at the weather station?
.....
16. Why is the handle of a frying pan made of wood?
.....
17. State **one** biological way of controlling storage pests.
.....
18. Nyakimu bathes once a week due to lack of enough water. What negative effect is he likely to get on the body?
.....
19. Give the importance of chlorophyll during photosynthesis.
.....
20. When a plastic material is rubbed against hair or woolen cloth, it becomes charged. What type of electricity is formed?
..... ☐
21. Give **one** way in which plants benefit from animals.
.....

Turn over

22.State the function of the type of teeth drawn below.



23.How are splints similar to slings in their function during first aid?

.....

24. What scientific name is given to fats and oils?

.....

25.State the reason why a claw hammer is classified as a first class lever.

.....

26.State **one** way of controlling weeds in the maize garden.

.....

27.State any **one** other cause of constipation apart from lack of enough roughage in the diet.

.....

28.Plants provide herbal medicine. Mention any one part of the plant which can be used as medicine.

.....

29.How does heat travel through gases?

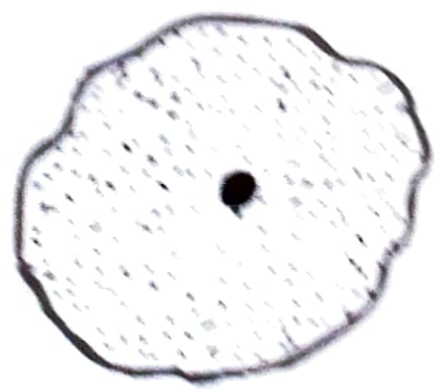
.....

30.Mention any **one** type of soil.

.....

32. How does the eye see distant objects?
33. What does the eye see when looking at the wall to the left?
34. Using the space provided below, draw a diagram representing a converging beam of light.

The diagram below shows one of the blood cells in the human body. Use it to answer question 35 and 36.



35. Identify the blood cell.

.....

36. State the function of the above blood cell.

.....

Turn over

37. Why is a snake called a vertebrate animal?

38. How can drugs be misused?

39. Mention any **one** mineral salt lost in the body through diarrhoea.

40. Write any **one common** sign of heat period in cows.

SECTION B 60MARKS

41.(a) Apart from mushrooms, give any **two** examples of fungi.

(i)

(ii)

(b) In which way are mushrooms similar to ferns in terms of reproduction.

(c) How do mushrooms feed?

42.(a) Apart from hides, name any other **two** cattle products.

(i)

(ii)

(b) Mention **one** method of preserving hides.

(c) What name is given to the process of turning hides into leather?

43. The diagram below represents one of the optical instruments used in biology. Use it to answer the questions that follow.



(a) Name the instrument above.

.....

(b) What type of mirrors are used in the above instrument?

.....

(c) How is the observer able to see the animal at k?

.....

(d) How is the image formed by the above mirrors different from that one of a pin-hole camera?

.....

44. Match the items in list A with their functions in list B



List A	List B
White blood cells	Stop bleeding when the skin is cut
Arteries	Defend the body against germ infection
Valves	Carry blood away from the heart
Platelets	Prevent back flow of blood

Turn over

(c) White blood cells:

(d) Action:

(e) Values:

(d) Platelets:

45. (a) What are the end products of the following after digestion?

(i) Proteins:

(ii) Carbohydrates:

(b) State any **one** role of the tongue during digestion.

.....

(c) How is the liver useful in the process of digestion?

.....

46. (a) What is family planning?

.....

(b) Mention the surgical permanent family planning methods that are carried out in:

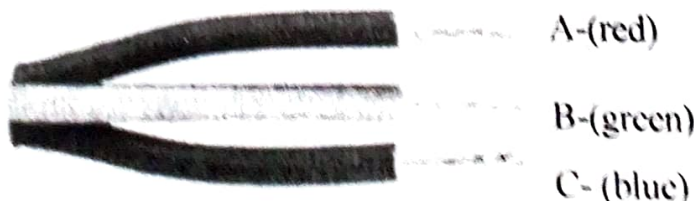
(i) Females:

(ii) Males:

(c) Give any **one** natural family planning method

.....

47. The diagram below shows a flex wave used in domestic electric installation. Use it to answer questions that follow.



(a) State the function of wires B and C

(i) B:

(ii) C.....

(b) How useful is the insulation to the flex wire?

.....

48.(a) Mention any **one** impurity that can be found in water

.....

(b) In which way can dirty water be made clean for washing?

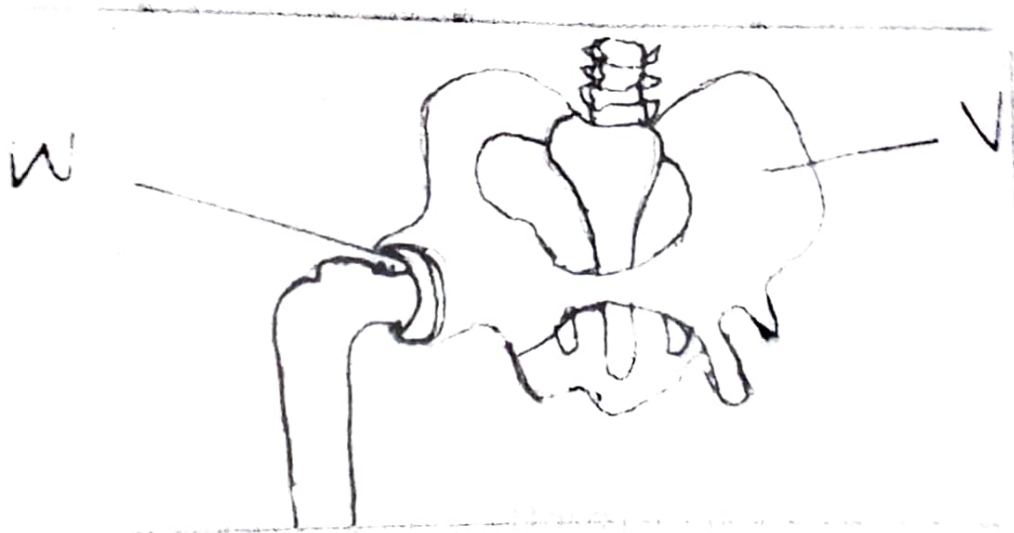
.....

(c) Write down any **two** advantages of soaking clothes during washing.

(i)

(ii)

49. The diagram below shows part of the skeletal system. Study it carefully and use it to answer questions that follow.



(a) Name the bone marked V

.....

(b) What type of joint is found at W?

.....

(c) Mention any **one** disorder of the Musculo skeletal system.

.....

(d) How is the skeleton important to the respiratory system?

.....

50.(a) What type of change takes place when:

(i) An egg boils

(ii) A seed germinates

(b) State any **one** physical change that helps in rain formation.

.....

(c) Mention any **one** effect of natural changes in the environment.

.....

51. During a covid-19 screening exercise, Mrs. Kimbo's body temperature was found to be 104°F

(a) Change Mrs. Kimbo's body temperature in degrees Celsius (3 marks)

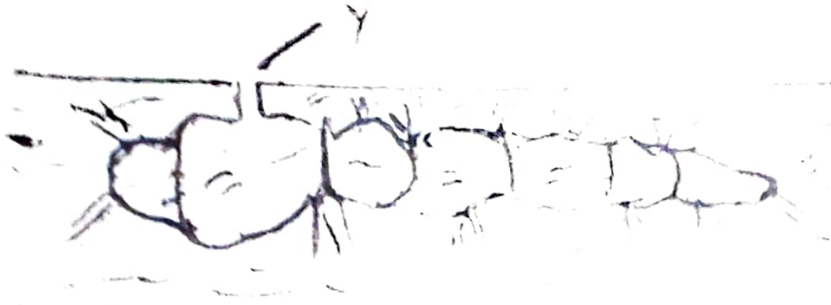
(b) Why was Mrs. Kimbo suspected to be covid-19 positive?

.....

(c) Apart from rise in body temperature, give any **one** another sign of covid-19 victims.

.....

52. The diagram below is a mosquito larva. Use it to answer questions that follow.



(a) What name is given to mosquito larva?

(b) Name the part marked Y

(c) Which types of mosquito develops from the above larva?

(d) State any **one** way of controlling mosquitoes at home.



53. Arrange the following processes of seed germination in their systematic order of happening.

(a) The seed swells

(b) The radicle appears

(c) The seed takes in water and oxygen

(d) The plumule grows

(a)

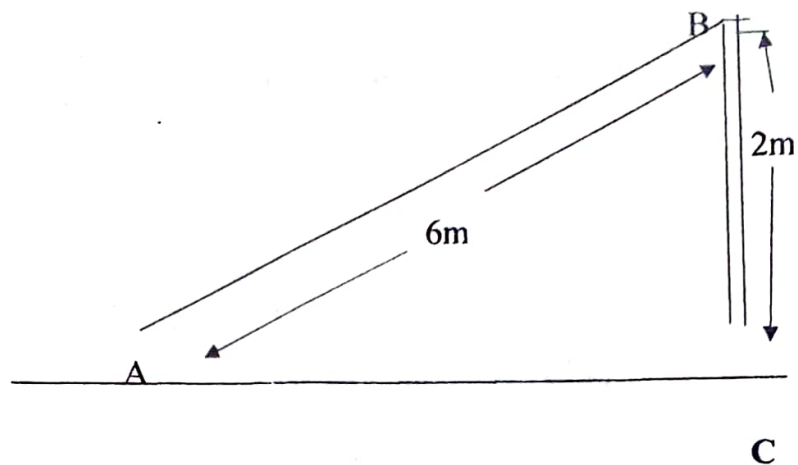
(b)

(c)

(d)

Turn over

54. The diagram below shows a type of simple machine. Use it to answer question that follow.



(a) Name the simple machine

.....

(b) Identify the;

(i) Effort distance

(ii) Load distance

(c) Give one use of the above simple machine in daily life.

.....

55. What are renewable resources?

.....

(a) Give **two** examples of renewable resources

(i)

(ii)

(b) Why should non-renewable resources be used sparingly?

.....

END