



UGANDA MUSLIM TEACHERS' ASSOCIATION

UMTA JOINT MOCK PRIMARY LEAVING EXAMINATIONS 2024

INTEGRATED SCIENCE AND HEALTH EDUCATION

2 HOURS 15 MINUTES

INDEX NUMBER									
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CANDIDATE'S NAME.....SIGN.....

SCHOOL.....DISTRICT.....

INSTRUCTIONS TO CANDIDATES:

1. This paper is made of **two** sections **A** and **B**
2. Section **A** has **40** questions and **B** has **15** questions.
3. Section **A** carries **40** marks and section **B** carries **60** marks.
4. Answer all questions in the space provided.
5. Answers **must** be written in **blue** or **black** ink.
6. Any handwriting which **cannot** be read will lead to loss of marks.
7. Unnecessary alterations of work **may** lead to loss of marks.
8. Do not fill anything in the boxes shown on the right side, it is for Examiners use only

FOR EXAMINER'S USE ONLY		
QN. .	MARKS	INITIAL
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A:40 MARKS

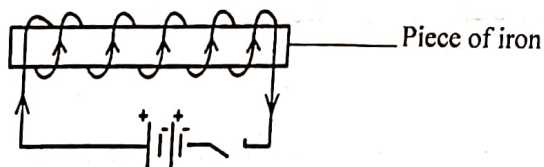
QUESTIONS 1 TO 40 CARRY ONE MARK EACH

1. State **one** way in which the human body works.

2. Write down **one** way in which animals are useful to people.

3. Apart from a forked hoe, name **one** other garden tool which can be used to dig in rocky areas.

The diagram below shows a method of making a magnet. Study and use it to answer questions 4 and 5.



4. Name the method of making magnets in the diagram.

5. State what can be done in the method above to produce a stronger magnet.

6. Give a reason why a person who has fainted is made to lay down with the legs held above the head level.

7. Give **one** way in which old polythene bags can be used by people in the environment.

8. How does the screen on the pipe of a VIP latrine help to control the spread of faecal diseases?

9. How is the sun useful in a water cycle?

10. How is an incisor tooth adapted for its function?



The diagram below shows a chick hatching from an egg. Study and use it to answer question 11 and 12.

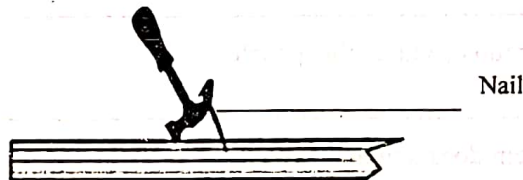


11. Name the type of change in the diagram above.

12. Which characteristic of living things is illustrated in the diagram above?

13. Give a reason why beans are grouped under annual crops.

14. Use an arrow with letter E to show the direction of movement of the effort on the diagram below.



15. State the way a stretcher is useful in giving First aid.

16. How does un controlled bush burning lead to environment degradation.

17. Why would you pour clean water in the ear in case a foreign body like a small insect?

18. How does rainfall promote growth of plants in the environment?

19. How are red blood cells able to transport oxygen around the human body?

20. Name the deficiency disease which is caused due to lack of vitamin A in the body.



21. Give a reason why it is important to harvest crops like beans and maize during a dry season?
-
22. State the importance of a smoker during harvesting of honey.
-
23. Give a reason why sound travels faster in solids than in gases.
-
24. How does sleeping under mosquito nets at night help to control the spread of Malaria?
-
25. State **one** way in which some plants depend on other plants.
-
26. Write **one** way in which the breeding of germs can be controlled in the environment.
-
27. Name any **one** group of vulnerable people.
-
28. Which type of stem does a pumpkin plant have?
-
29. How does regular bathing promote personal hygiene?
-
30. Name any **one** disorder of the digestive system.
-
31. State **one** way in which people working on electricity can protect themselves against electric shocks.
-
32. How can farmers make mating in sheep rearing easy?
-
33. Name the vector that spreads Yellow fever to people?
-
34. Mention **one** form of organic manure.
-
35. State **one**-way smoking affects the health of a person.
-



36. Name any **one** energy resource people get from animals?

37. Give **one** example of a monocotyledonous plant.

38. State **one** way alcoholism can affect the family.

39. Give a reason why objects are able to float or sink in water.

40. How is immunization against tuberculosis similar to that of Yellow fever.

Figure 1 shows a skin infection and its spread.



Turn Over

SECTION B:60 MARKS
Questions 41 to 55 carry four Marks each.

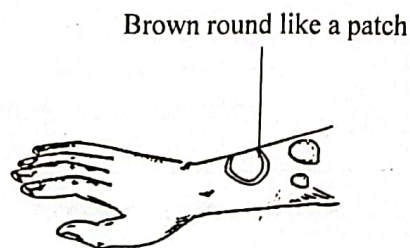
41. (a) Name any **one** component of Urine. _____

(b) In which part of the Kidney is Urine formed? _____

(c) Give **one** substance which is re-absorbed back into blood in the medulla. _____

(d) Apart from filtering wastes from blood, state **one** other function of the kidneys in the human body. _____

42. The diagram below shows a skin infection. Study and use it to answer questions that follow.



(a) Name the skin infection in this diagram. _____

(b) Which type of germ causes the skin infection in the diagram? _____

(c) State any **one** way in which the skin infection can spread among school children in a boarding section. _____

(d) Write down **one** way of controlling the spread of the above skin infection. _____

43. (a) State any **one** way in which the following steps are useful when cleaning clothes at home.

(i) Soaking clothes: _____

(ii) Sorting clothes:

(iii) Rinsing clothes:

(b) How can wrinkles be removed from a washed and dried cloth?

44. (a) Apart from clear air, give **two** other examples of transparent objects.

(i)

(ii)

(b) How are submarines able to see things on the surface of water bodies?

(c) In which way can reflection of light be helpful in promoting personal hygiene?

45. (a) Name the structure which carries materials from the placenta to the foetus in the womb of a pregnant mother.

(b) Mention any **two** substances carried from the placenta to the foetus.

(i)

(ii)

(c) Why is it important for a pregnant mother to feed on food that is rich in iron?

46. (a) Write down any **two** Health services people obtain from hospitals

(i)

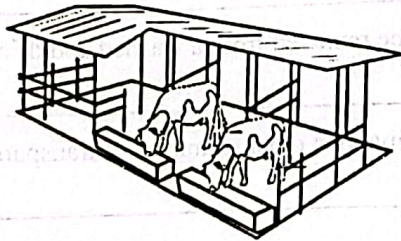
(ii)

(b) How do these elements of P.H.C promote the health of people in a community/

(i) Food and Nutrition?

(ii) Water and Sanitation? _____

47. The diagram below shows a method of grazing cattle. Study and use it to answer questions that follow



(a) Identify the method of grazing in the diagram.

(b) State **one** advantage of the method of grazing animals in the diagram.

(c) State **two** ways in which the above method can be a disadvantage to the farmer.

(i) _____

(ii) _____

48. (a) Write down any **two** food items which a domestic hen feeds on.

(i) _____

(ii) _____

(b) State how each of the following features of a domestic hen is adapted to the feeding of the hen.

(i) Beak: _____

(ii) Feet: _____

49. (a) Mention any **two** items which should be found in a clean home.

(i) _____

(ii) _____

(b) Give a reason why latrines must be sited at a lower level than water sources in a community.

- (c) Write down any **one** way in which community wells can be protected from contamination.

50. (a) Name the important process which takes place in the alveoli.



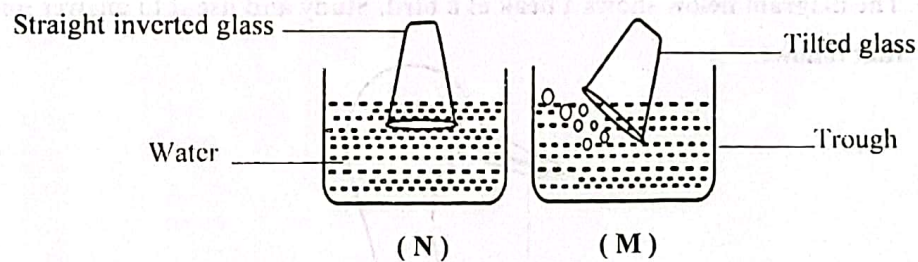
(b) Which organs in fish have a similar function as the alveoli in human beings?

(c) How is the gas picked by blood from the alveoli important in the human body?

(d) State **one** way in which the alveoli are adapted to their function.

51. (a) Name any **one** component of air.

(b) Use the diagram below about one of the properties of air to answer questions that follow.



(i) Which property of air is illustrated in the diagram?

(ii) Why couldn't water enter the glass in (N)?

(iii) Give a reason why water entered into the glass in (M).

52. (a) Name the method used to separate two liquid substances with different boiling points.

(b) How does the above method make water safe for drinking?

(c) Why is the delivery tube around the condensation chamber coiled many times?

(d) Give a reason why water prepared by the above method is not good for drinking.

53. (a) State how heat is useful in the following situations

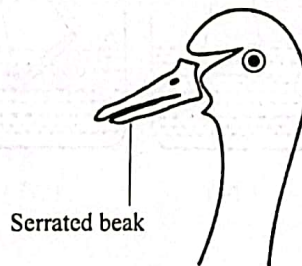
(i) Drying of clothes:

(ii) During germination:

(b) Why is a cooking saucepan made out of aluminium?

(c) Give a reason why the handles of frying pans are made of plastic or wood.

54. The diagram below shows a beak of a bird. Study and use it to answer questions that follows.



(a) To which group of birds does the one with such beak belong?

(b) How is such a beak helpful to the bird.

(c) Give two examples of birds with such a beak in the diagram.

55. (a) Name the condition of the body which leads to a sunken soft spot on the head in babies.

(b) Apart from a sunken fontanelle, give **two** other signs of the conditions named in (a) above in babies.

(i) _____

(ii) _____

(c) State **one** way the condition in part (a) can be prevented in babies.



END