

KAMPALA TEACHERS' EXAMINATION BOARD (KTEB)

SPECIAL PAPER MOCK INTEGRATED SCIENCE PRIMARY SEVEN 2023

DURATION: 2 HOURS: 15 MINUTES

NAME:.....

SCHOOL:.....

SIGNATURE:

DISTRICT:

INDEX NO.

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DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions very carefully

1. This paper has two sections **A** and **B**.
2. Attempt all questions.
3. Answers for both sections must be written in the space provided.
4. Section **A** has 40 questions (40 Marks)
5. Section **B** has 15 questions (60 Marks)
6. All answers must be written in blue or black ball point or ink. Only diagrams and graph work must be done in pencil.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Unnecessary crossing out of work and work that cannot be easily read may lead to loss of marks.

| FOR EXAMINER'S USE ONLY | | |
|----------------------------|------|------|
| Qn. No. | MARK | SIGN |
| 1 - 10 | | |
| 11 - 20 | | |
| 21 - 30 | | |
| 31 - 40 | | |
| 41 - 45 | | |
| 46 - 50 | | |
| 51-55 | | |
| TOTAL | | |

SECTION A: (40 Marks)

1. In which state of matter does sound travel fastest?

2. Which part of an insect are the wings attached?

3. To which class of levers does a pair of scissors belong?

4. Apart from the flower, name any other part of a plant that develops from the lateral bud.

5. What type of chicken is kept for meat production?

6. Give an example of a marine mammal.

7. Which immunisable disease causes the stiffness of muscles?

8. Name the human organ that can help an individual to prove that food has enough salt.

9. State one way a short circuit can be prevented during electric installation.

The diagram below shows the lenses. Use it to answer questions 10 and 11.



10. Name lens marked **X**.

11. How does lens marked **P** affect the light ray that pass through it?

12. State one fact farmers consider for culling their animals.

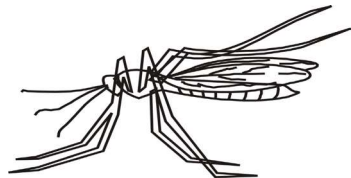
13. Apart from wearing face masks, give any other way air borne diseases can be prevented.

14. Why is it advisable for a person who keeps bees to grow more flowering plants around the apiary?

15. Which chemical is found in coffee that can be harmful to human health?

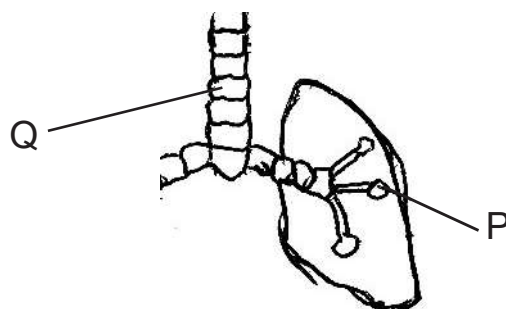
16. Give a reason why people who make charcoal cover the wood with soil.
-
17. How is dew formed in the environment?
-
18. State the method of growing crops by scattering the seeds in the garden.
-
19. Why does a boat float on water?
-
20. In which way can alcohol affect an individual?
-
21. Why are the plants considered to be the producers in a food chain?
-
22. Name the weather instruments that shows the strength of wind.
-

The diagram below shows a mosquito. Use it to answer questions 23.



23. Name one disease spread by such a mosquito.
-
24. In which part of the alimentary canal of man does absorption of water takes place?
-
25. Why are we encouraged to warm up left over food before eating it?
-
27. In which way is the cotyledon of a maize grain important during germination?
-
28. How does Earth quake influence soil formation by weathering?
-
29. Give a reason why we need to soak clothes before washing them?
-
30. What advice can you give to your friend who has constipation?
-

The diagram below shows the lungs. Use it to answer questions 31 and 32.



31. Name part marked **Q**.

32. How is part marked **P** adopted to its function of gaseous exchange?

33. Apart from giving us rain, give any other way nimbus clouds are important in the environment.

34. How can you recover salt from a salt solution?

35. State one way worm infestation can be controlled.

36. Which cattle disease causes the swelling of the udder?

37. Why do clothes dry faster during the day than the night?

38. Give one reason why fruit trees are pollarded.

39. Which element of PHC checks on the population of a country?

40. Give one example of a biological change in plants.

SECTION B (60 Marks)

41. a) State two importance of seed dispersal.

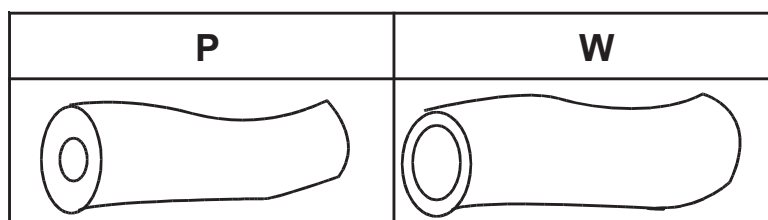
i) _____

ii) _____

b) How are the bean seeds dispersed?

c) Give one way seed dispersal can be a problem to a crop farmer.

42. **The diagram below shows two blood vessels. Use it to answer the questions about it.**



a). Name vessel marked **P**.

b) How are the vessels marked **W** important in the body?

c) State one way vessel marked **P** is different from vessel marked **W**.

d) In which way does the eating of fatty foods affect the blood vessels?

43. **Complete the table below about immunisation.**

| Time | Disease | Vaccine | Body site |
|----------|--------------|-----------------|-----------------|
| At birth | Tuberculosis | _____ | Right upper arm |
| _____ | Polio | Polio vaccine | mouth |
| 14 weeks | Diphtheria | DPT | _____ |
| 9 months | _____ | Measles vaccine | left upper arm |

44. a) Give any two reasons why the hutch should be raised from the ground.

i) _____

ii) _____

b) When constructing the hutch, give one reason why the upper part of the hutch is constructed with a wire mesh.

c) Name the rabbit disease that can breakout due to poor sanitation.

45. a) Mention two places in a home where near drowning can take place.

i) _____

ii) _____

b) Why is it not advisable for a person who does not know how to swim to try to rescue a person who is early drowning?

c) When giving first Aid for near drowning, why should the first aider press the Victims chest?

46. a) How are the following paths important at a joint?

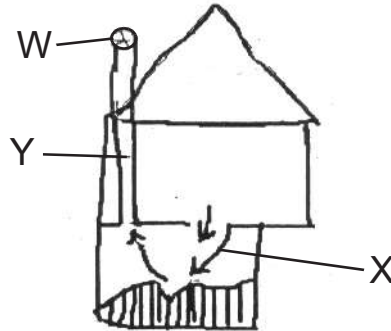
i) Cartilage.

ii) Ligaments

b) Why is a hinge joint regarded as a synovial joint?

c) State one injury that can affect the skeleton at a joint.

47. **The diagram below shows a latrine. Use it to answer the questions about it.**



a) Name the type of latrine shown above.

b) What do the arrows marked **X** shows?

c) Mention one use of part marked **Y** on the latrine.

d) How does part marked **W** control houseflies.

48. a) State any two health concerns in a community.

i) _____

ii) _____

b) How can such concerns be worked upon in the community?

i) _____

ii) _____

49. a) State two factors that can cause bottle feeding in babies.

i) _____

ii) _____

b) Give a reason why parents are warned to be careful when carrying out bottle feeding.

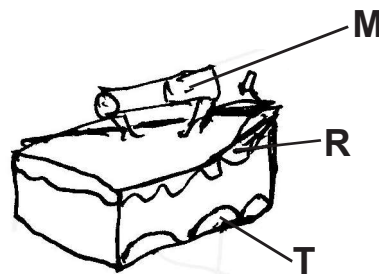
c) Why is breast milk considered the best for babies?

50. **Match the items in List A with those in list B.**

| A | B |
|---------------|---------------------------|
| Rake | used for transplanting |
| Forked hoe | used to dig stony gardens |
| Garden fork | used to spread manure |
| Garden trowel | used to turn manure |

- i) Rake _____
- ii) Forked hoe _____
- iii) Garden fork _____
- iv) Garden trowel _____

51. **The diagram below shows a home item. Use it to answer the questions about it.**



- a) In which way is the item above useful in our homes?

- b) Why is part marked **M** made out of wood?

- c) Name the fuel the above item uses.

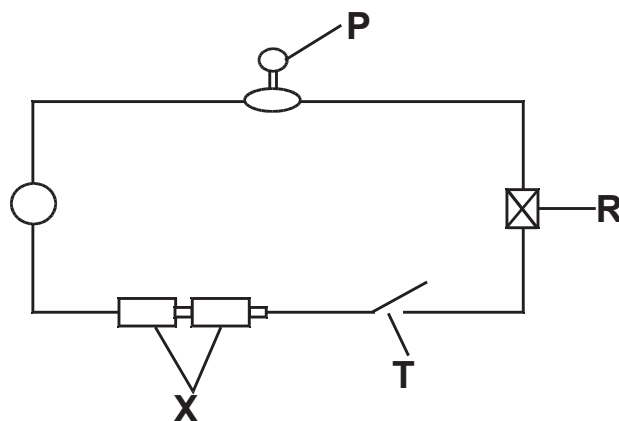
- d) How is the use of holes marked **T** different from those marked **R**?

52.a) What deficiency disease is caused by lack of proteins in one's diet?

- b) Apart from proteins, name any other two classes of food in a balanced diet.
i) _____
ii) _____
- c) Why are we advised to prepare food in clean containers?

- 53 a) Write down two characteristics that are common to both amphibians and fish.
- i) _____
- ii) _____
- b) Give a reason why fish cannot survive on land yet there is a lot of oxygen.
- _____
- c) Give one example of an amphibian.
- _____

54. The diagram below shows an electric circuit. Use it to answer the questions that follow.



- a) Name part marked **R**.
- _____
- b) What will happen to part marked **P** when part **T** is closed?
- _____
- c) Give a reason to support your answer in be above.
- _____
- d) State the form of energy stored in part marked **X**.
- _____
55. a) State two ways fungi can be useful to man.
- i) _____
- ii) _____
- b) Give one example of a fungus.
- _____
- c) Besides causing diseases, give any other way fungi can be dangerous to man.
- _____

END