

BUTALEJA DISTRICT ACADEMIC BOARD
PLE MOCKS 2024
INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

INDEX No.

Candidate's Name:.....

Candidate's Signature:.....

Random No......

Read the following instructions carefully.

1. This paper has two sections: A and B.

Section A has 40 Questions (40 marks) and B has 15 Questions (60 marks).

2. Answer all Questions in both sections. All answers in both sections must be written in the spaces provided.

3. All answers must be written in Blue or Black ball point pens or ink. Only diagrams and graph work must be done in pencil.

4. Any handwriting that cannot be read may lead to loss of marks.

5. Do not fix anything in the table indicated "For Examiner's Use Only".

For Examiner's Use Only

QN. No.	MARKS	INITIALS
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A

1. Name the main natural source of water in the environment

2. In which way is moisture useful in a germinating seed?

3. Name the drug found in tobacco which causes narrowing of blood vessels.

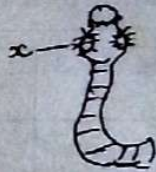
4. How does brushing of teeth help to promote personal hygiene?

5. Which layer of soil is greatly affected by leaching?

6. State the behavior of salt when put in water

7. Name the type of change that occurs in a burning filament.

Study the diagram below and use it to answer question 8 and 9.



8. How is the organism shown above adapted to its mode of feeling?

9. What is the function of part marked X to the organism.

10. Why do people misuse drugs?

11. Mention any one harmful waste removed from digested food as it goes through the liver.

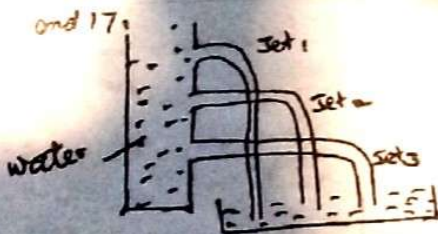
12. How is yeast different from a mushroom in terms of reproduction?

13. Identify one human activity that can lead to soil erosion.

14. Name the component of blood which carries oxygen.

15. Which body organ is extremely affected by alcoholism?

Use the diagram below to answer the questions 16, 11 and 17



16. Name the property of water shown above.

17. Give one reason why water pours at different levels.

18. What is sanitation?

19. Why are tiles not recommended to be put in school compounds?

20. Which type of reflection is produced by smooth shiny and polished surfaces?

21. How does debeaking of birds help to control egg-eating.

22. In which way does a sweater keep our bodies warm during cold weather?

23. State one disorder of the muscular and skeletal system.

24. How best can live stock keepers control indo-parasite?

25. Calculate the volume of an object of mass 12g and density of 0.9/cc

26. Which process of making alcohol requires the use of fungus organism?

27. How is the washing of hands after visiting the latrine an important habit?

28. On which component of the environment do we find human beings?

29. Name the root that climbs others for support.

30. Identify any one cause of road accidents.

31. Write the similarity between a fuse and a switch.

32. State the adaptation that enables sea mammals to live in water.

33. Write any one primary sex characteristic in adolescent girls.

34. What name is given to water in gaseous form?

35. Give any one example of a tick borne disease in cattle.

36. Why are there few drone bees in a hive?

37. How is a housefly able to carry germs?

38. How is a canine tooth adapted to its function?

39. Write the immunisable disease that has similar signs and symptoms like AIDS.

40. Name the deficiency disease that affects human eyes

SECTION B

41. Name anyone requirement needed when cleaning clothes.

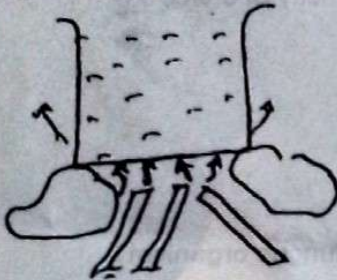
a) Identify one way of preventing clothes from staining others when cleaning them.

b) How are the following steps important during the cleaning of clothes?

i) Ironing

ii) Rinsing

42. The diagram below shows a saucepan with water on fire.



a) What type of fuel is used to produce heat?

b) How does heat get uniformly distributed in the water?

c) With the help of arrows, show the movement of water molecules when heated.

d) Why does alcohol mixed with water evaporate first when boiled together.

43. a) State any two effects of sexual deviations among human beings.

i

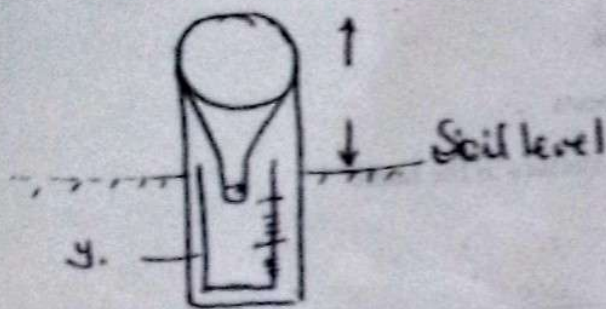
ii

b) Write down any two social problems among youth.

i

ii

44. Study the diagram below and use it to answer the questions about it.



(a) What name is given to the instrument shown above?

(b) Why is part of the instrument above buried into the ground?

(c) How is part marked Y important to crop farmers.

(d) Name any one place where such an instrument is found.

44.(a) What do you understand by the term "magnet"?

(b) State how a magnet is useful to the following:-

(i) Doctor _____

(ii) Pilot _____

(c) How can a permanent magnet be made to lose its magnetism?

46. How are cereals commonly preserved before storage?

(b) Why is it important to ensure that cereals are properly dry before they are stored?

(c) Which method of preserving fish is dangerous to the environment?

(d) Which food nutrient is obtained from fish?

47 match the items in A with those B

A

B

Insecticides

weeds

Acaricides

crop pests

Pesticides

insect vectors in the home

Herbicides

Ticks

Insecticides _____

Acaricides _____

Pesticides _____

Herbicides _____

48. Mention two local materials used for making playing items.

(i) _____

(ii) _____

(b) Apart from making playing materials how else can local materials be useful to people?

c) Why is it not good to play football with long fingernails?

49. The illustration below shows a food chain, use it to answer question.

Grass → Caterpillars → birds → Man → Bacteria

(a) What is the main source of energy in the illustration above?

(b) What do the arrows represent in the chain above?

(c) In the chain above, what is referred to as

(i) Producer _____

(ii) Consumer. _____

50. Write down any one law of reflection of light.

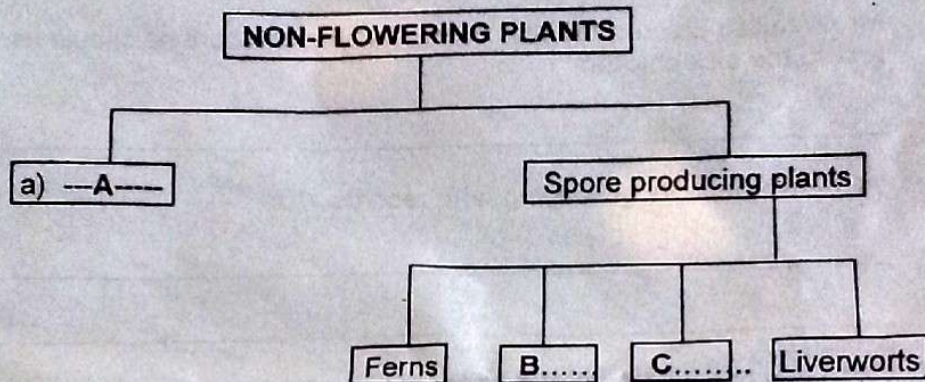
(b) Outline any two characteristics of images formed by plane mirrors.

i

ii

c) Identify any one importance of reflection of light in our daily life

51. The table below shows classification of non-flowering plants. Study and use it to answer questions that follow.



A

B

C

b) Give one characteristic of non-flowering plant.

52. (a) Write two methods of heat transfer in matter

(i)

(ii)

(b) Why are gaps left between rails when constructing railway?

(c) In which state of matter does heat travel fastest?

53. (a) Give any two functions of blood plasma.

(i) _____

(ii) _____

(b) Why are red blood cells red in colour?

(c) Name any one disease that destroys red blood cells.

54. (a) What are farm records?

(b) Mr. Wafula's chicken fell sick, name the type of record he should use to record the sick chicken.

(c) Write two benefits of keeping farm records

(i) _____

(ii) _____

55. (a) Write any two elements of primary health care that can help in the control of Communicable diseases.

(i) _____

(ii) _____

(b) Give any two ways of promoting health education in the community.

(i) _____

(ii) _____

END