



**JACARANDAS JUNIOR SCHOOL**  
**PRIMARY SEVEN PRE – PLE REGISTRATION SET**  
**2024**

**INTERGRATED SCIENCE**

*Time Allowed: 2 hours and 15 minutes*

Index No.						Personal No.		

**Pupil's Name:** .....

**Pupil's Signature:** .....

**School Name:** .....

**District Name:** .....

**Read the following instructions carefully:**

1. Do not forget to write your **school** or **district name** on the paper
2. This paper has two sections: **A** and **B**. section **A** has **40** questions and section **B** has **15** questions. The paper has **14** printed pages.
3. Answer **all** questions. **All** working for both section **A** and **B** must be shown in the spaces provided.
4. **All** answers must be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "**FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
QN. NO.	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

Questions 1 to 40 carry **one mark** each

1. Which system of a flowering plant holds it firmly in the soil?

.....

2. Name the product got from a bull used for making drums.

.....

3. State the importance of windows on a living house.

.....

4. How is the left side of the heart adapted its function?

.....

5. Jacob is a **P.6** child with swollen hands, legs and swollen moon face and little brown hair. How is a fish important to Jacob?

.....

6. In which way does the use of a nail cutter prevent spread of germs?

.....

7. Apio makes local beer (alcohol) every week, identify the chemical change that helps her to make the local beer.

.....

The table below shows different groups of food. Use it to answer question 8 and 9.

A	B	C	D
Mangoes Pineapples Oranges Apples	Cassava Maize Yams Honey	Fish Beans Sweet Potatoes Eggs	Cabbages Nakati Doddo Bugga

8. What does having foods in all the groups in the table above for your daily meal demonstrate?

.....

9. Which group of foods in the table above has the old man out?

.....

10. Besides the dog, mention any other domestic animals used for protection.

.....



11. Give the difference between a pullet and an off layer in poultry management.

.....

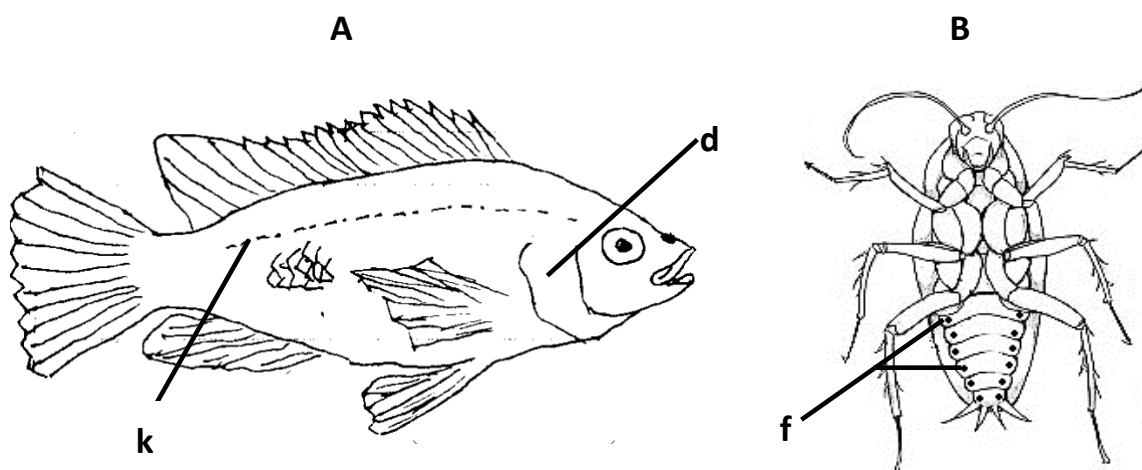
12. There has been an increase of school dropouts in Uganda due to early pregnancies. How best can school going children safe guard themselves against early pregnancies?

.....

13. Which characteristics make water be called universal state of matter?

.....

The diagram below is of a fish and an adult insect, use it to answer question 16 and 17.



14. How is the importance of the part protected by **d** in **A** similar to **f** in **B**?

.....

*Turn Over*

15. Give the function of the part marked **K** to the fish.

.....

16. Apart from rolling food into a bolus, in which other way is the tongue important during the process of digestion?

.....

17. Ariana a **primary one** child goes to school by foot. Give one item she can use to manage passing through a muddy road on a rainy day.

.....

18. Identify the difference between a resource and energy resource.

.....

19. Name the crop growing practice that will help Arafat a crop farmer to prevent soil erosion on his flat piece of land.

.....



20. State any **one** way bacteria can be harmful to people.

.....

21. All family members have different roles they play at home, give the person traditionally responsible for preparing meals in a home.

.....

22. Give a reason why the same amount of nitrogen air inhaled is exhaled during breathing.

.....

23. How does washing of hands after visiting a latrine prevent the spread of diarrheal diseases in the community?

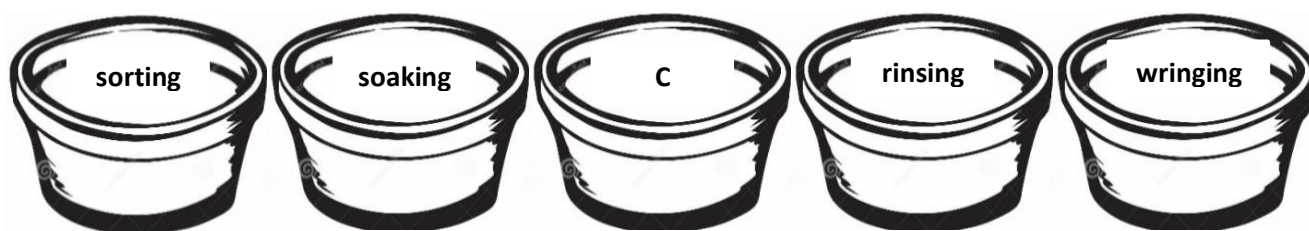
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24. Mention the instrument used to measure the destiny of liquids.

.....

The illustration below shows different steps taken when cleaning clothes.

Use it to answer question 25 and 26.



25. Name the activity that is done in basin with letter C.

.....

26. Give any **one** importance of soap and detergents during activity in basin C.

.....

27. Why is a rain gauge placed in an open place when in use?

.....

28. To which category of movable joints is the knee joint?

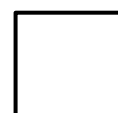
.....

29. Why is a person bitten by a snake advised to be calm?

.....

30. State the effect of heat on matter that is determined using a thermometer.

.....



31. What name is given to the young one of a bee?

.....

32. The ministry of environment and natural disasters announced that there will be too much heat in the atmosphere between February and April 2024. Give any **one** way you can prevent getting dehydration due to excess sweating during that time.

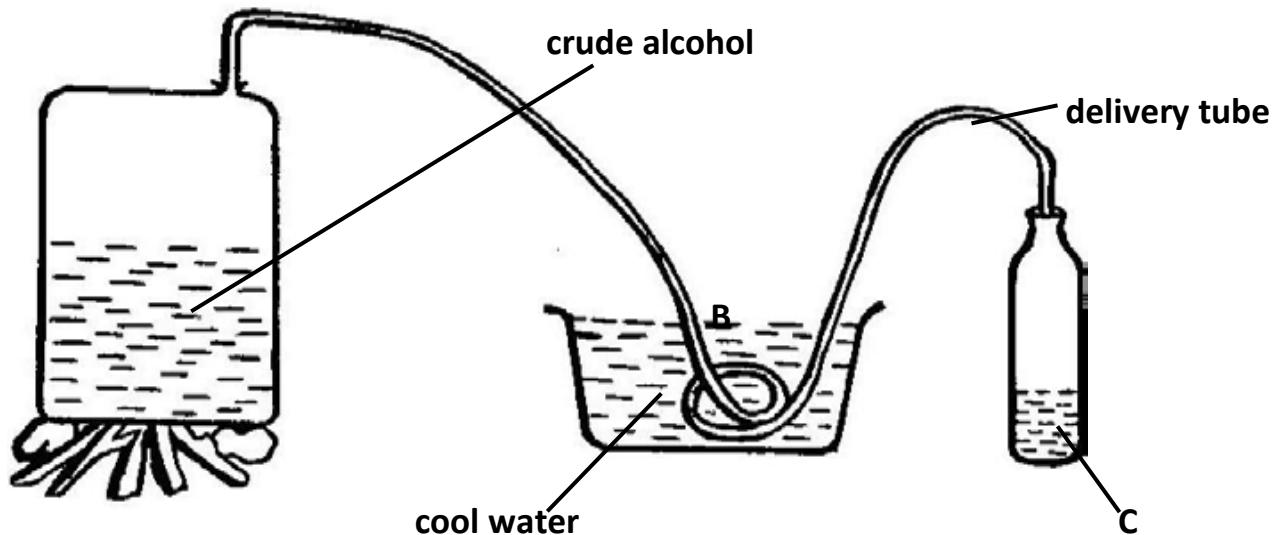
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**Turn Over**

33. What name is given to the male reproductive garmate of a flower on a plant?

.....

The diagram below shows the distillation method of making alcohol. Use it answer question **34** and **35**.



34. Give any other factor that encourages condensation at **B** besides the cool water.

.....

35. What scientific word do we use to describe the outcome at **C**?

.....

36. State the animal body process that benefits from photosynthesis by-product in plant.

.....

37. Give any **one** factor that can affect the pitch of sound in drums of the same vibrating surface.

.....

38. A respiratory tract disease killed many Ugandans in 2020 and 2021. Give any **one** way the people of Uganda prevented such diseases.

.....

39. Give the difference between wind and air.

.....

40. What is the difference between a broom and a dustbin in the way they are used at home?

.....



### SECTION B (60 MARKS)

Questions **41** to **55** carry **four marks** each

41. a) Name the home component that is used to keep cold things cold and hot things hot.

.....

b) How useful is the above mentioned component to cattle keepers?

.....

c) Mention the **two** states of matter with convection as their method of heat transfer.

i) .....

ii) .....

42. Charcoal burning is **one** of the economic activities done in rural areas of Uganda.

a) Give one way charcoal burning is a danger to the environment.

.....

b) Besides using wood for charcoal and firewood give any other reason why people plant trees.

.....

c) State any **one** way trees cut down on a large scale can lead to soil erosion.

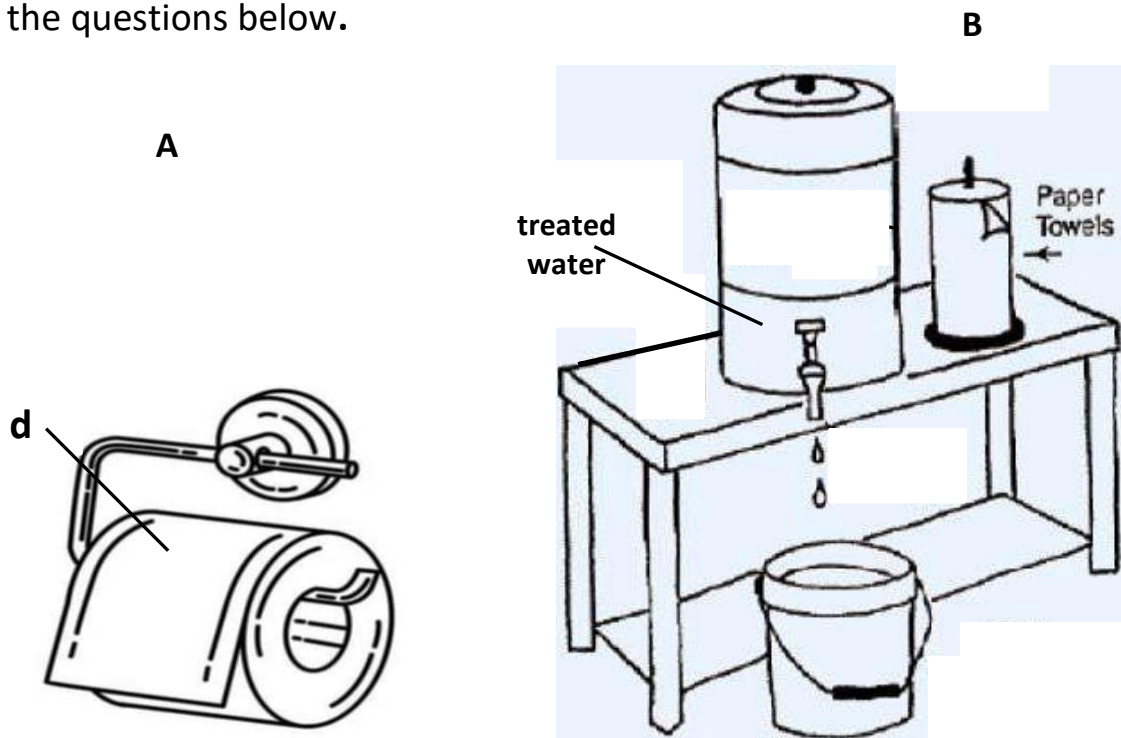
.....

**Turn Over**

d) Identify any **one** alternative way to wood fuel in the environment.

.....

43. The diagrams below are of after toilet hygiene tools. Use them to answer the questions below.



a) Name the item marked with letter **d**.

.....

b) State the importance of the item you have named in **(a)** above.

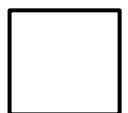
.....

c) Why is chlorine chemical added to water in **B**?

.....

d) What general name is given to disease controlled using the above item?

.....



44. a) Name the parts of the skeleton that protects the following organs.

i) Spinal cord - .....

ii) Eyes - .....



b) How does good posture keep the digestive system in a good working condition?

.....

c) Apart from maintaining good body posture, in which way can one keep the skeletal and muscular system in good working condition?

.....

45. a) How do scorpions reproduce?

.....

b) Identify **two** characteristics that make a scorpion different from insects.

i) .....

ii) .....

c) Give reason why scorpions are grouped under invertebrates.

.....

46. Below is a musical instrument used by music dance and drama trainer.

Use it to answer the questions about it.



a) Name the musical instrument used by the music dance and drama trainer shown above.

.....

b) How does the instrument shown above produce sound?

.....

**Turn Over**

c) To which group of musical instruments does the instrument shown above belong?

.....

d) How does the sound produced by the musical instrument shown above reach to the children he is training?

.....



47. a) What is meant by the term Primary Health Care?

.....

b) Which element of Primary health Care is promoted by;

i) Brushing teeth after every meal?

.....

ii) Taking contraceptive pills?

.....

c) Sharon is a poor woman in your community, identify the principle of Primary Health Care that helps her to get family planning services from the clinic in the community.

.....

48. a) Give any **one** reason why some seeds are first planted in a nursery bed.

.....

b) State **two** ways a farmer can carry out hardening off in a nursery bed.

i) .....

ii) .....

c) Identify the way of destroying weeds in the garden without using a garden tool.

.....

49. a) Which group of non-flowering plants reproduces by means of seeds?

.....

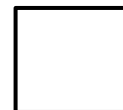
b) Identify **two** examples of such kind of plants mentioned in (a) above.

i) .....

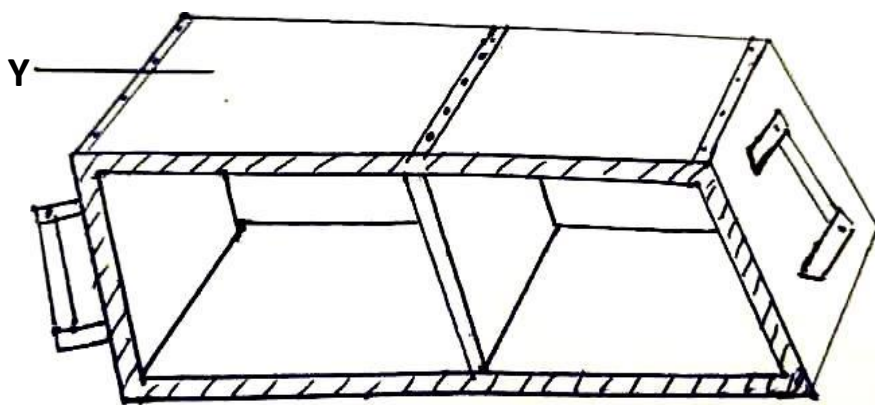
ii) .....

c) How important are such kinds of plants to a carpenter?

.....



50. The diagram below shows a tool for making bricks. Use it to answer the questions that follow.



a) Name any **one** material that can be used to make part marked Y.

.....

b) Use letter **P** to show the part used for holding the above tool when in use.

c) Which type of soil is suitable for the use of the above tool?

.....

d) How does activity carried out using the above tool affect the environment?

.....

51. a) Why does chemical digestion of carbohydrates begin in the mouth?

.....

**Turn Over**

b) By what process does food move through the gullet?

.....

c) Identify **one** enzyme that works under acidic condition in the alimentary canal.

.....

d) Apart from acidic condition, mention any other condition in the alimentary canal.

.....

52. a) Identify **two** changes in the state of matter that occur due to heat again.

i) .....

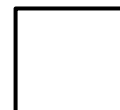
ii) .....

b) Why are changes in the state of matter called physical changes?

.....

c) Apart from changes in the states of matter, mention any other one example of a physical change.

.....



53. a) Define the term magnetization.

.....

.....

b) Identify the method of magnetization which does not need the use of magnet.

.....

c) What name is given to the magnet made by the method mentioned in (b) above.

.....

d) Mention any **one** way of preventing demagnetization.

.....

54. The diagram below is of a material used to promote personal hygiene, use it to answer the questions that follow.



a) Name the material used to promote personal hygiene shown in the diagram above.

.....

b) How important is the material above when cleaning our body?

.....

c) Apart from the tool shown above, identify two other materials that can be used to provide oral health.

i) .....

ii) .....

55. Match the following animals to their products.

Animal	Product
i) Merino sheep	silk
ii) Angora rabbits	mohair
iii) Angora goats	wool
iv) Silkworms	fur

- i) Merino sheep .....
- ii) Angora rabbits .....
- iii) Angora goats .....
- iv) Silkworms .....



**END**