

# INTENSIVE CARE SCHOOLS WANDI

## P.6 Beginning Of Term II Examination, 2024

### Integrated Science

**Time allowed: 2 hours and 15 minutes**

**NAME:** \_\_\_\_\_

Read the following instructions carefully:

1. The paper is made up of section A and B.
2. Section A has 40 short answer questions (40 marks).
3. Section B has 15 questions (60 answers).
4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. Do not write anything in the box indicated examiner's use only.

#### EXAMINER'S USE ONLY

A	
B	
TOTAL	

**SECTION A (40 marks):**

1. Which vector spreads elephantiasis to people?

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2. How do hookworms infest the body?

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3. Why is a spider not an insect?

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4. Below is a blood component. Use it to answer the questions that follow.



State the function of the above component of blood.

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5. How does brushing of teeth prevent tooth decay?

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6. State the state of matter through which sound travels fastest.

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7. Why is it a bad practice to pour paraffin in a pit latrine?

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8. State one factor that influence one to drink alcohol.

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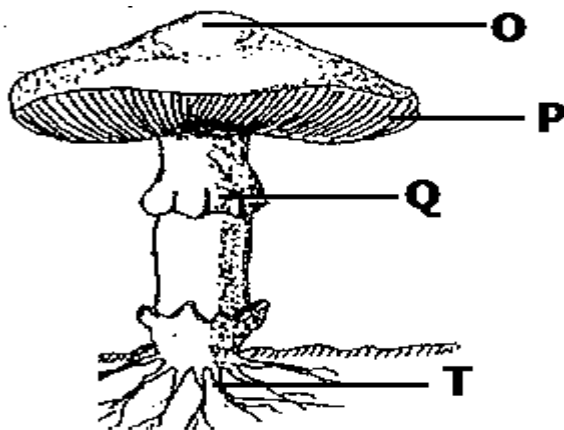
9. A block of mass 120gm was lowered in water and it displaced an amount of water that could fill a rectangular container measuring 2cm by 3cm by 5cm. Calculate the density of the box.

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10. How are rodents different from other mammals?

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**Study the diagram below and answer the questions that follow.**



11. Give a reason why the above organism is not a plant.

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12. State the function of part T to the organism above.

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13. Apart from food, give one other basic need of people in our community.

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14. Name the deficiency disease that affects the circulatory system.

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15. How is the heart adapted to its function?

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**Below is a diagram of two vertebrates. Use it to answer questions 16 and 17.**



16. Apart from having a back bone, state anyother way the animals in the diagram are similar.

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17. What proctects the eyes of a bird during flight?

---

18. Which crop farming practice maintains moisture in the soil?

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19. Mention the state of matter in which molecules are widely spaced.

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20. Why should the sick be fed on food rich in proteins?

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21. How are splints important to a person with a fracture?

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22. Mention one condition necessary for multiplication of bacteria.

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23. Why is an elderly person referred to as a vulnerable person?

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24. State one function of the liver in the body.

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25. How is a conifer similar to a maize plant?

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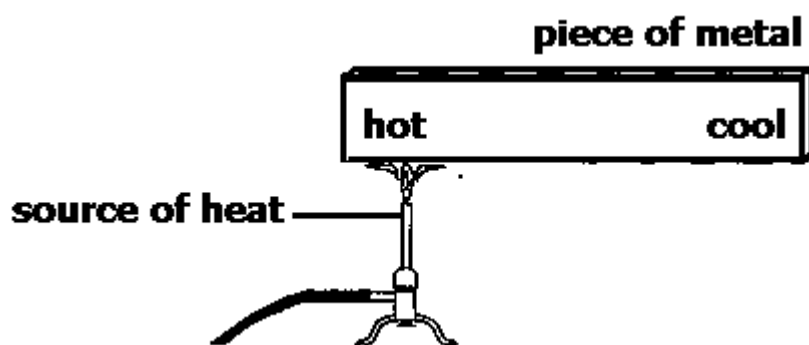
26. Mention the bees that develops from unfertilized eggs.

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27. Give one example of a commonly abused drug.

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28. What method of heat transfer is illustrated in the diagram below?



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29. Name one breed of sheep that is useful to textile industry.

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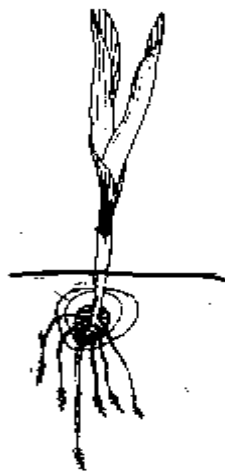
30. Which poisonous chemical in tobacco causes lung cancer?

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31. Name the part of the tooth that is sensitive to heat.

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32. Mention the part of the ear that transforms sound vibrations into nerve impulses.  
\_\_\_\_\_
33. Which element of PHC is promoted by draining stagnant water?  
\_\_\_\_\_
34. Give one class of food obtained from taking honey.  
\_\_\_\_\_
35. How are the eggs of a fish fertilized?  
\_\_\_\_\_
36. Name the injury one gets when his skin comes into contact with steam.  
\_\_\_\_\_
37. Which term is referred to as the vertical arrangement of soil layers?  
\_\_\_\_\_
38. What makes sand soil able to dry very fast?  
\_\_\_\_\_
39. Which type of weather is used for winnowing?  
\_\_\_\_\_
40. Give a reason why the type germination illustrated below is hypogeal.



**Section B: (60 marks)**

41. **Match the following organs to their correct functions.**

**A**

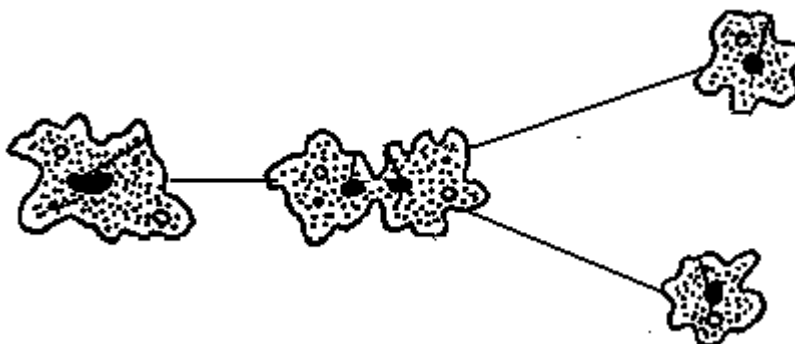
lungs  
kidney  
liver  
brain

**B**

regulates blood sugar.  
controls all body activities.  
filters blood.  
oxygenate blood.

- (a) lungs \_\_\_\_\_
- (b) kidney \_\_\_\_\_
- (c) liver \_\_\_\_\_
- (d) brain \_\_\_\_\_

42. **Below is an illustration of asexual reproduction. Use it to answer the questions about it.**



(a) Name the type of asexual reproduction shown above.

\_\_\_\_\_

(b) State one organism that undergoes the above reproduction.

\_\_\_\_\_

(c) How does the organism mentioned above move?

\_\_\_\_\_

(d) Mention one disease caused by the above organism.

\_\_\_\_\_

43(a) What is immunity?

\_\_\_\_\_

(b) Mention one way a baby acquires natural immunity?

\_\_\_\_\_

(c) Write one vaccine administered at birth.

\_\_\_\_\_

(d) Why is measles vaccine administered at nine months?

\_\_\_\_\_

44(a) What name is given to a young one of a rabbit?

\_\_\_\_\_

(b) State the function of a wire mesh on a hutch.

\_\_\_\_\_

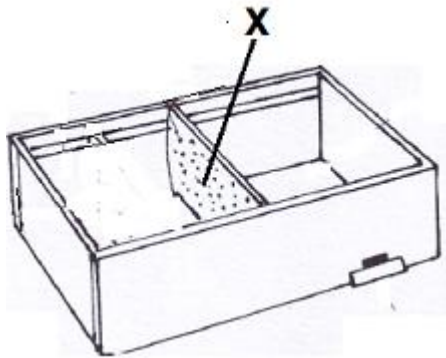
(c) Why should a hutch be always clean and dry?

\_\_\_\_\_

(d) Mention one exotic breed of rabbits.

\_\_\_\_\_

45. **Use the diagram below to answer questions about it.**



(a) Name the type of modern hive drawn above.

\_\_\_\_\_

(b) Why is part x made of a wire mesh?

\_\_\_\_\_

(c) State two advantages of using the above hive.

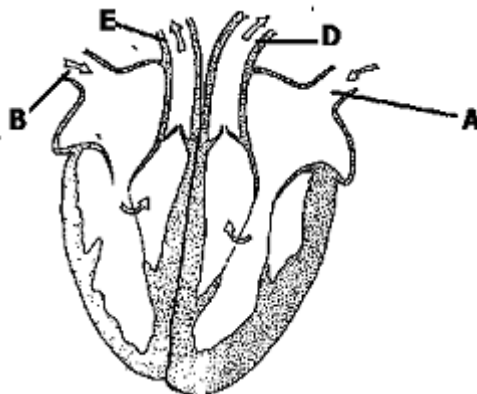
(i)

\_\_\_\_\_

(ii)

\_\_\_\_\_

46. **Below is the diagram of the heart. Use it to answer questions about it.**



(a) Name blood vessel labeled D.

\_\_\_\_\_

(b) Where does blood vessel E carry blood to?

\_\_\_\_\_

(c) How is blood carried by blood vessel A different from that carried by blood vessel B?

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(d) Write one thing that may increase the rate of heart beat.

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47 Write down one example of the following.

(a) physical change

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(b) biological change

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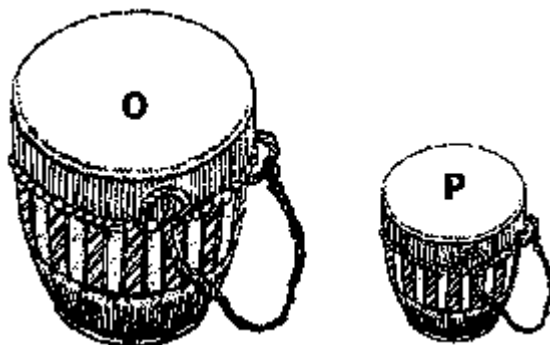
(c) State one effect of natural changes to the environment.

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(d) How are chemical changes similar to biological changes?

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48. **The diagrams below are of drums. Use them to answer questions about them.**



(a) To which group of musical instruments are the above?

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(b) Which of the drums above will produce a higher pitch?

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(c) Give a reason for your answer above.

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(d) How can sound made by the above drums reach the ears of a person standing 20m away?

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49(a) Mention two raw materials needed for photosynthesis.

(i) 

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(ii) 

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(b). How is photosynthesis important to:-

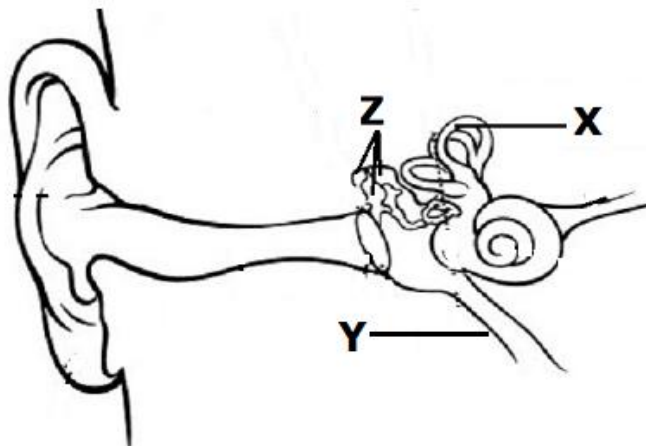
(i) animals

---

(ii) environment

---

50. **The diagram below is of a human ear. Use it to answer questions about it.**



(a) Name part marked x.

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(b) Give the function of part marked y.

---

(c) Why is a person not advised to use sharp objects to remove wax from the ear?

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(d). What first aid do you give to a person with an insect in the ear?

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51. Below is a list of food. Use it to answer the questions about them.

**sea fish , beans , carrots , cabbage , maize**

(a) Which food from the list can you advise a person suffering from the diseases below to eat?

(i) night blindness \_\_\_\_\_

(ii) goitre \_\_\_\_\_

(b) Why should young children be fed on foods like beans?

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(c) Which food in the list boosts the immunity?

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52(a) Which garden tool is suitable for digging in stony areas?

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(b) How does painting prevent garden tools from rusting?

---

(c) State two activities carried out in a nursery bed.

(i) 

---

(ii) 

---

53(a) Which group of invertebrates has jointed legs?

---

(b) Mention any other characteristic of the above group.

---

(c) State two characteristics of insects.

(i) 

---

(ii) 

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54(a) What is Primary Health Care?

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(b) Which element of PHC prevents the dangers of deficiency diseases?

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(c) How do the following promote PHC?

(i) individuals

---

(ii) families

---

55(a) Which type of digestion takes place in the mouth?

---

(b) Where in the body does digestion end?

---

(c) What important activity takes place in the colon?

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(d) How is the ileum adapted to its function?

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BY Tr. BABEL

