

# SMILE EDUCATION CONSULTANCY BUSUNJU

## P. 6 End of Term III Examination, 2023

### Integrated Science

Time allowed: 2 hours and 15 minutes

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

Signature: \_\_\_\_\_

District \_\_\_\_\_

Date \_\_\_\_\_

#### EXAMINER'S USE ONLY

A	
B	
TOTAL	

#### 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.

PARENT'S COMMENT	SIGNATURE

**SECTION A: (40 marks)**

1. Name any one insect vector.  
\_\_\_\_\_
2. How is the sun important in the control of rickets?  
\_\_\_\_\_
3. Name the sheet of muscle that separates the chest cavity from the abdominal cavity.  
\_\_\_\_\_

4. How do people make use of alcohol?  
\_\_\_\_\_
5. Apart from the ovary, give one other part of a flower from which fruits are formed.  
\_\_\_\_\_

6. Write the part of the alimentary canal in which food is turned into chyme.  
\_\_\_\_\_

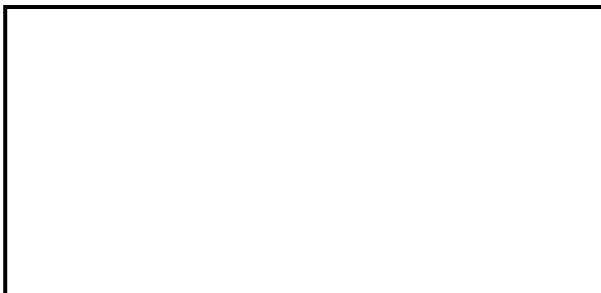
7. State the function of the tooth in the diagram below.



8. What makes the earthworm to be called an invertebrate?  
\_\_\_\_\_

9. Why should an ordinary pit latrine be smoked regularly?  
\_\_\_\_\_

10. In the space below, draw one item used in cleaning our bodies.



11. State one way the locally made salt from plants is used at home.  
\_\_\_\_\_

12. Suggest one way farmers can reduce water loss from the garden.  
\_\_\_\_\_
13. Mention one role of a child in a home.  
\_\_\_\_\_
14. At what age can an infected mother pass HIV to her baby?  
\_\_\_\_\_
15. How is a strip cup important on a farm?  
\_\_\_\_\_
16. Suggest any one use of blood in ones body.  
\_\_\_\_\_
17. Why are communities encouraged to use latrines?  
\_\_\_\_\_
18. Mr. Tommy smokes a cigarette in his house, what type of smoking do his children undergo?  
\_\_\_\_\_
19. A stone has the matter quantity of 30g and the density of 6g/cc, calculate its volume.  
\_\_\_\_\_  
\_\_\_\_\_
20. Suggest any one material bees use to make honey.  
\_\_\_\_\_  
\_\_\_\_\_
21. What does the phrase "type of cattle" mean?  
\_\_\_\_\_
22. How do deciduous trees benefit from shedding their leaves?  
\_\_\_\_\_
23. State the use of vaccines in ones body.  
\_\_\_\_\_

**Study the diagram below and use it to answer questions 24 and 25.**



24. In which way is the item above useful in our school?  
\_\_\_\_\_

25. Identify the element of Primary Health Care where the above item is used.

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26. Which organ of the body uses light to function?

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27. Why are women who use wet wood for cooking at a higher risk of getting lung cancer?

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28. When do some drums produce a low pitch of sound?

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29. Why are farmers discouraged from transplanting seedlings in the morning ?

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30. What do we call anything that occupies space and has weight?

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31. How is bathing daily a good habit?

---

32. Mention one way in which plants benefit from animals.

---

**The diagram given below shows a part of a flower.**



33. State its importance in plant reproduction.

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34. At what stage in the life cycle of a silkworm is it beneficial to the textile industry?

---

35. Apart from heat and sound energy, state any other form of energy you know.

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36. What is kidding?

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37. Mention one way in which soil is a resource to human beings.

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38. Why is typhoid regarded a communicable disease?

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39. Give one example of a crop with such a leaf.



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40. Who is a casualty?

---

**Section B: (60 marks)**

41(a) From what component of the environment do plants get water?

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(b) Why doesn't a seed need humus to germinate?

---

(c) What role is played by a green cotyledon on a seedling?

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(d) How can a seedling in a nursery bed be made to get used to different weather conditions before transplanting?

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42(a) Differentiate between heat and temperature.

---

(b) By what process does heat from the bottom of the kettle of water reach the top?

---

(c) Give any one factor that affects heat transfer in states of matter.

---

(d) Name the instrument used to measure room temperature.

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43. Study the diagram and answer the questions that follow.



**A**



**B**



**C**

(a) Name the blood cell marked C.

---

(b) Give the functional difference between blood cell A and C.

---

(c) When are blood cells marked B important to an individual?

---

(d) In which way is blood cell A adapted to its function?

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44(a) State the importance of wax in a wax candle.

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(b) How is light from a candle used at home?

---

(c) Give two substances used to put out fire.

(i)

---

(ii)

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45(a) Who is a first aider?

---

(b) How do people prevent child poisoning in homes?

---

(c) Which accident did Annet get when her skin got in contact with hot steam?

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(d) Give a reason for your answer in 45(c) above.

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46(a) What term is given to mean regular and frequent taking of alcohol?

\_\_\_\_\_

(b) Suggest two effects of alcoholism to an individual.

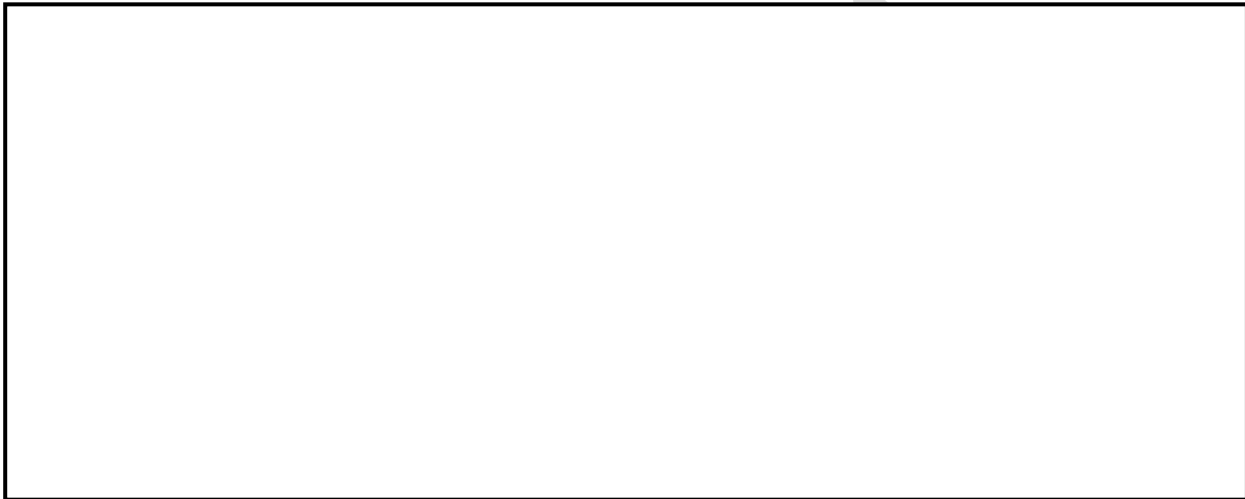
(i) \_\_\_\_\_

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

(c) How can you help your friend to stop taking alcohol? Give one way.

\_\_\_\_\_

47(a) In the space below, draw the shape of a beef cattle.



(b) How are beef cattle different from dairy cattle in their shapes?

\_\_\_\_\_

\_\_\_\_\_

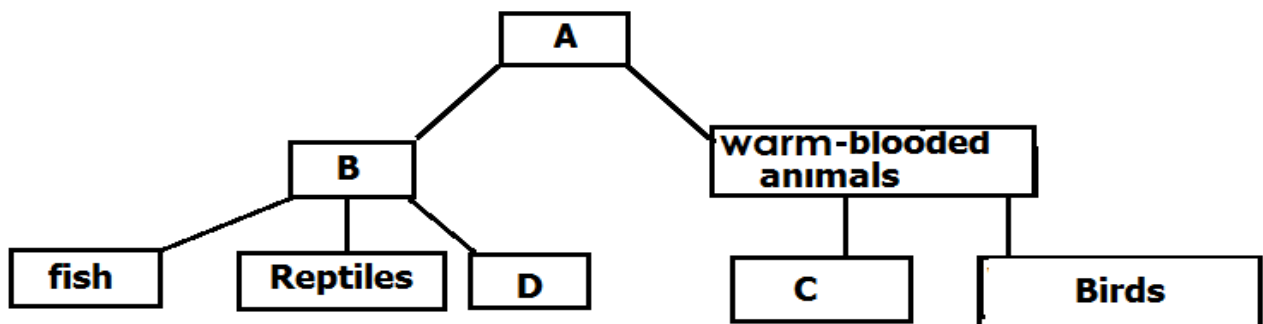
(c) Why do most farmers prefer indigenous breeds of cattle to exotic breeds?

\_\_\_\_\_

(d) Give one example of indigenous breed of cattle you know.

\_\_\_\_\_

48. **Study the diagrams below and answer the questions that follow.**



(a) Name parts marked A and C.

(i) A: \_\_\_\_\_

(ii) C: \_\_\_\_\_

(b) Which type of fertilization do animals marked D undergo?

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(c) Why are birds grouped under warm blooded animals?

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49. Match items in list A to those in list B correctly.

**List A**

Illeum

Mouth

Duodenum

Stomach

**List B**

pepsin.

pancreatic amylase.

sucrase.

salivary amylase.

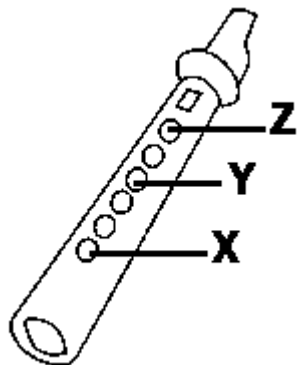
(a) Illeum \_\_\_\_\_

(b) mouth \_\_\_\_\_

(c) duodenum \_\_\_\_\_

(d) stomach \_\_\_\_\_

50. **Below is a musical instrument, use it to answer questions that follow.**



(a) Name the instrument shown.

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(b) Which hole will produce the highest pitched sound when the other holes are closed when the instrument is being played?

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(c) How does the above instrument produce sound?

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(d) Suggest any other musical instrument in the same group with the one above.

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51(a) What are weeds?

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(b) Mention one poor farming practice that encourages the growth of parasitic weeds.

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(c) Why wouldn't you encourage the use of herbicides in the control of weeds?

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(d) In which way are weeds important to the soil?

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52(a) Suggest any three food stuffs that you would prepare as your lunch consisting carbohydrate, vitamin and protein?

(i) carbohydrate\_\_\_\_\_

(ii) vitamin:\_\_\_\_\_

(iii) protein\_\_\_\_\_

(b) What name is given to diseases that are caused due to lack of certain food values in the diet?

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53(a) What type of weather helps washed clothes to dry?

---

(b) How are umbrellas important in weather management?

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(c) Mention any other two things used in rainy weather apart from umbrellas.

(i) \_\_\_\_\_

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

54(a) Which disease is spread to people by?

(i) lice \_\_\_\_\_

(ii) tick \_\_\_\_\_

(b) Suggest two ways of controlling diseases caused by plasmodia germs.

(i) \_\_\_\_\_

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

55. The following were observed from a breathing person:

- ribs raised up and outward
- diaphragm flattens
- volume of lungs increased

(a) Which phase of breathing was recorded as in the person above?

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(b) How is the phase important to such a person?

---

(c) Name two gases contained in the air.

(i)

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(ii)

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**\*\*\*END\*\*\***