

**P. 6 End of Term I Examination, 2018.**  
**Integrated Science**  
**Time allowed: 2 hours 15 minutes**

Name: \_\_\_\_\_

**SECTION A:**

1. Give one example of livestock.  
\_\_\_\_\_
2. What does a tilapia use for swimming?  
\_\_\_\_\_
3. Mention one example of a root crop.  
\_\_\_\_\_
4. How does a hyena benefit from a lion living in the same environment?  
\_\_\_\_\_
5. Which aspect of wind is measured using an anemometer?  
\_\_\_\_\_
6. Mention the component of breast milk that improves on the baby's immunity.  
\_\_\_\_\_
7. State the importance of glucose in the body.  
\_\_\_\_\_
8. What characteristic can be used to identify a mammal from a group of vertebrates?  
\_\_\_\_\_
9. Why isn't polythene used as mulch?  
\_\_\_\_\_
10. Name the major raw material from which crayons are made.  
\_\_\_\_\_
11. State the importance of oxygen in ones body.  
\_\_\_\_\_
12. What is density?  
\_\_\_\_\_
13. How is charcoal made?  
\_\_\_\_\_

**Below are bottles with water in them.**



14. How can the bottles be made to produce the same pitch of sound?

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15. Where does the food go after being digested?

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16. State the danger of bush burning.

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17. Why isn't filtration a good method of making water safe for drinking?

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18. Give one indicator of a dirty environment.

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19. Where does a germinating bean seed get its food?

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20. How are infants protected against Tetanus?

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21. Point out one agent of soil erosion.

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22. How are veins important in a leaf?

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23. In the space provided below, draw the beak of a juice sucking bird.

24. Name one item that can be used to clean ears.

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25. Which advice would you give to a friend who has just left a latrine?

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26. How is the ileum adapted to its function of absorbing digested food?

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27. Mention one property of clay soil.

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28. What are infectious diseases?

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29. How is the knowledge of rainfall patterns important to farmers?

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30. What term is used to refer to the animals with backbone?

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31. Convert  $0^{\circ}\text{C}$  to  $^{\circ}\text{F}$ .

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32. Why is aluminium a suitable material for making saucepans?

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33. State the role of yeast in the fermentation method of making alcohol.

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34. Mention one danger of natural changes.

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35. What property of air enables us to drink soda with a straw?

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36. In the space provided below, draw a rake.

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37. Why are farmers encouraged to thin their crops?

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38. Where do mosquitoes lay their eggs?

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39. Point out one use of a windmill.

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40. Mention one organ of the body commonly affected by alcoholism.

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### **Section B**

41(a) What is immunity?

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(b) Point out two vaccines administered with the help of an injection.

(i)

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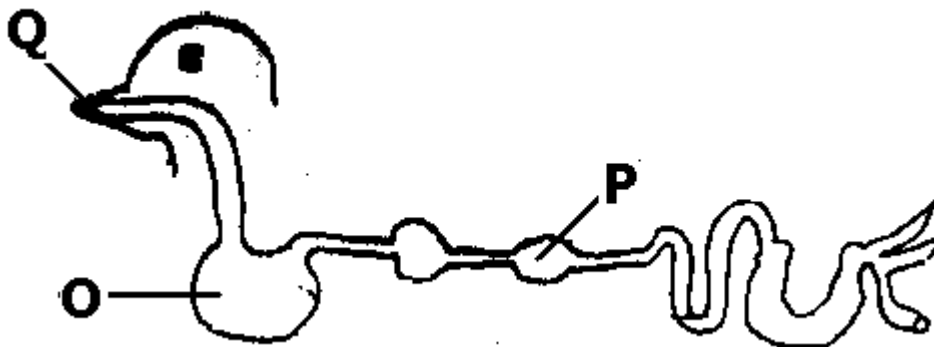
(ii)

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(c) Why are we encouraged to get immunised?

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42. **Study the diagram below and answer the questions about it.**



(a). Name part marked O.

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(b) Mention the livestock with the digestive system shown above.

---

(c) How is part P adapted to its function?

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(d) Which of the labelled parts is used for picking food?

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43(a) How is sound produced?

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(b) Give the meaning of each of the terms below in relation to sound:

(i) volume

---

(ii) pitch

---

(c) State any one way sound is used in your community.

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44(a) What term is used to refer to the process by which plants make food?

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(b) How does a goat benefit from the above process?

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

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

(c) Point out the form of energy a plant needs to carry out the above process.

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45(a) What is soil conservation?

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(b) Point out two methods used to conserve soil.

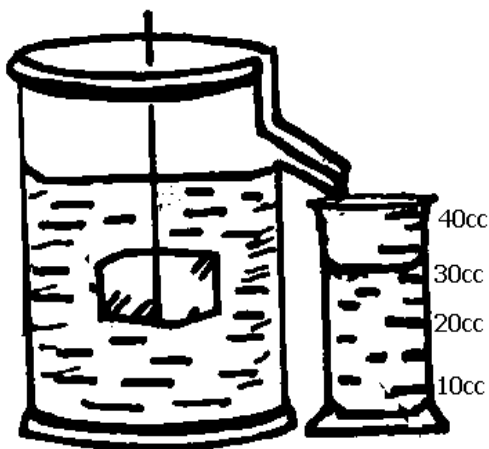
(i) \_\_\_\_\_

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

(c) Which group of crops is useful in soil conservation?

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46. **Below is a method of finding volume of objects.**



(a) Name the method shown above.

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(b) What type of objects have their volume found as shown in the diagram?

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(c) State the volume of the block above.

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

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47(a) State one danger of cigarette smoking to:

(i) an individual

---

(ii) the community

---

(b) Name the raw material from which cigarettes are made.

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(c) How can you help a friend leave the smoking habit?

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48. **Complete the table below.**

Vector	Disease spread
Rat flea	.....
.....	Typhoid fever
Tsetse fly	.....
.....	Relapsing fever

49(a) Which animal makes honey?

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(b) Point out two materials from which honey is made.

(i) .....

(ii) .....

(c) How are bees important in plant reproduction?

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50. **The diagram below is of a bird's beak.**



(a) What does the bird with the beak above feed on?

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(b) Of what use is its beak?

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(c) Give two examples of birds with beaks as shown above.

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

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

51(a) To what kingdom do mushrooms belong?

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(b) How are the following parts important to a mushroom?

(i) gills

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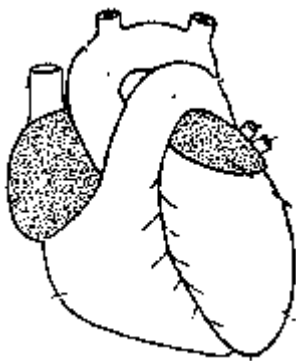
(ii) hyphae

---

(c) State one importance of mushrooms in soil formation.

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52. **Below is one of the body organs.**



(a) Name the body organ shown above.

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(b) State the function of the organ above in one's body.

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(c) How is the organ adapted to its function?

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

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

53(a) What is matter?

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(b) To what state of matter does water belong?

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(c) Identify any two properties of matter.

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

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

54(a) Give the meaning of the term 'drug abuse'.

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(b) Identify two commonly abused drugs.

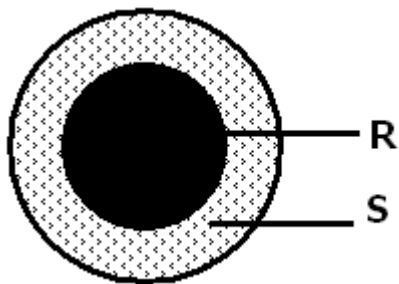
(i) \_\_\_\_\_

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

(c) How can drug abuse be a danger to human health?

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55. **Below is a diagram showing regions of a shadow.**



(a) Name the region of the shadow marked with letters R and S;

(i) R: \_\_\_\_\_

(ii) S: \_\_\_\_\_

(b) What type of objects forms shadows?

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(c) How has man made good use of shadows?