

SMILE EDUCATION CONSULTANCY BUSUNJU
WELCOME TO PRIMARY SEVEN SET
PRIMARY LEAVING SIX TO SEVEN EXAMINATIONS - 2024

INTEGRATED SCIENCE
DURATION: 2HRS 15 MINS

CANDIDATE'S NAME:.....

CANDIDATE'S SIGNATURE:.....

SCHOOL NAME:.....

DISTRICT NAME:.....

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully

1. This paper consists of two sections, **A** and **B**.
2. Section **A** has **50** questions (**50 marks**)
3. Section **B** has **5** questions (**50 marks**)
4. Answer **ALL** questions. All answers to both sections **A** and **B** **MUST** be written in the spaces provided.
5. **All** answers must be written in **blue ball point pen** or **ink**. Any work done in **pencil** except diagrams will not be marked.
6. Any **unpunctuated** work e.g. without full stops, commas, question marks etc will **NOT** be marked.
7. **Untidy work** (unnecessary crossing/ rubbing out work) will lead to loss of marks.
8. Any handwriting that cannot easily be read may lead to loss of marks.

FOR EXAMINER'S USE ONLY

SECTION A		TOTAL (%)
SECTION B		

SECTION A: 40 MARKS

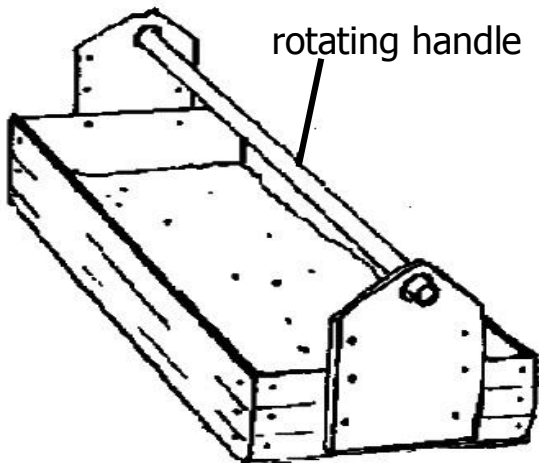
Questions **1** to **40** carry **one mark** each

1. Name the form of energy that enables cyclists to avoid obstacles at night.

2. Write down any **one** milk product you know.

3. Give any **one** cause of short circuit.

The diagram below shows an equipment used on a poultry farm. Use it to answer questions **4** and **5**.



4. How useful is the equipment to a poultry farmer?

5. Why is the equipment made of rotating handle?

6. Mention any **one** factor considered when classifying living things.

7. Mention **one** danger of sharing drugs among patients.

8. How is the cause of polio similar to that of measles?

9. Give any **one** effect of food taboos to the community.

10. Why are gaps left between rails during the construction of the railway?
.....

11. Why is cow called a ruminant animal?
.....

12. State **one** importance of agro forestry.
.....

13. State any **one** cause of eye defects.
.....

14. Which is the dangerous stage of a housefly?
.....

15. Mention any **one** proper way of maintaining good working condition of the kidney.
.....

16. How is a gizzard able to carry out the function of grinding food during digestion?
.....

17. Give the importance of a stretcher in giving first aid.
.....

18. Mention one accident that can happen at school.
.....

19. Name the gas used in fire extinguishers.
.....

20. State the process by which heat moves through solids.
.....

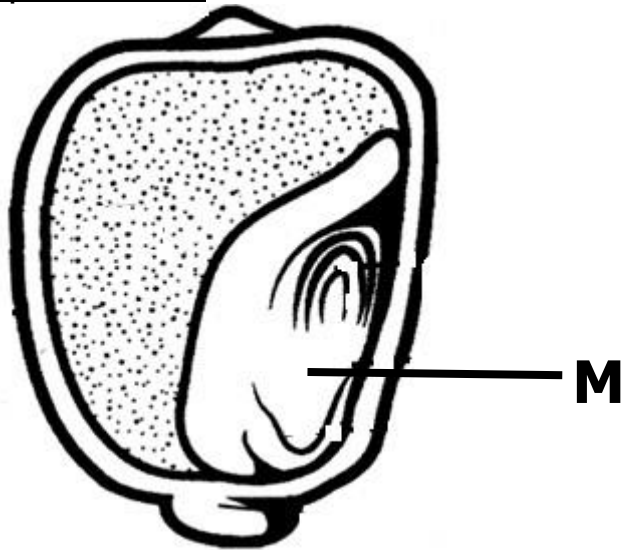
21. State **one** way how amphibians are useful in the environment
.....

22. Why is it not advisable to put on a black coat on a very sunny day?
.....

23. Mention **one** good health habit for the teeth.
.....

24. Give any **one** way of caring for people with special needs
.....

Study the diagram of a maize grain below and use it to answer question 25.



25. Give the function of part **M**.

26. How do hairy bodies of a housefly able to carry germs that spread disease?

27. Why should young boys avoid drug abuse?

28. Mention **one** importance of ossicles during the process of hearing.

29. Give **one** way of controlling tape worm infestation in humans.

30. Give **one** reason why young girls should avoid teenage pregnancy.

31. How does rural electrification conserve the environment?

32. State the unit for measuring rainfall.

33. Give **one** reason why grease is applied in all moving parts of a machine.

34. Identify the type of change that takes place when fruits ripen.

35. State **one** condition under which a mother may be stopped from breast feeding the baby.

36. What is evaporation?

37. Mention the structure of a VIP latrine that traps and kills flies.

38. State the difference between pitch and volume in sound.

39. Give the function of valves in blood circulation.

Study the picture of cow peas below and answer question 40.



40. Which method of seed dispersal do cowpeas undergo?

SECTION B: 60 MARKS

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

41. (a) What are vertebrates?

(b) State any **two** types of vertebrates.

(i)

(ii)

(c) Give any **one** characteristic of vertebrates

42. (a) Write any **one** essential drug that can be taken to cure malaria.

.....

(b) Give any **two** characteristics of essential drugs.

(i)

(ii)

(c) Why should medical drugs be well prescribed before they are given to patients

.....

43. (a) Mention the programme which teaches pupils about HIV/AIDS in schools.

.....

(b) Write any **two** messages passed onto the pupils during the programme mentioned in (a) above.

.....

(c) Why does the above programme encourage pupils to abstain from sex?

.....

44. (a) Name the set of teeth found in babies.

.....

(b) Which type of teeth is missing in the set you have mentioned in (a) above?

.....

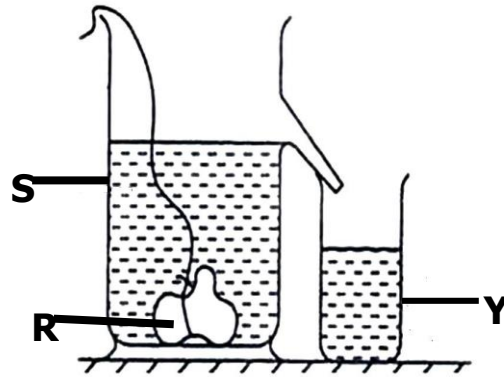
(c) Give a reason why babies should be given soft food.

.....

(d) State **one** way mothers can promote the strong growth of teeth in their children.

.....

45. The diagram below shows a method of finding volume. Use it to answer the questions that follow.



(a) Name the container marked **S**.

(b) Identify the type of object labeled **R**.

(c) What does the water in container in **Y** equal to?

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

46. (a) What is an echo?

(b) In which one way are echoes dangerous to people?

(c) Kabanda was standing 16.5 metres away from his mother who called him by hitting the drum. How long did it take Kabanda to hear the drum?

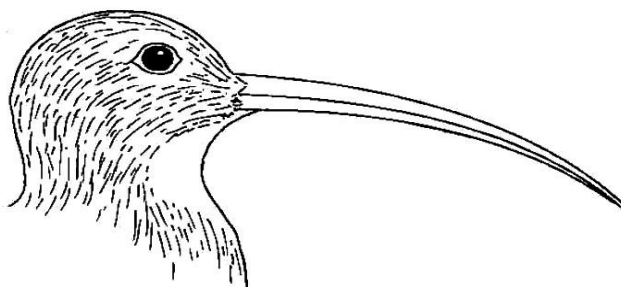
47. **Study the beaks of birds below and answer questions that follow.**

Beak **X**



Sharp-hooked beak

Beak **Y**



Long-slender beak

(a) How is each of the following beak adapted to its function?

(i) Beak

X

.....

(ii) Beak **Y**

.....

(b) What type of food do birds with such beaks feed on?

Beak **X**

Beak **Y**

48. (a) State **one** way plants depend on animals.

.....

(b) How do animals depend on each other?

.....

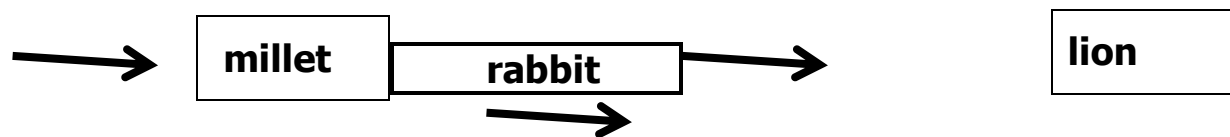
(c) Give **one** way animals depend on plants.

.....

(d) Give **one** way land as a resource can be conserved.

.....

49. Use the food chain below to answer the questions that follow.



(a) Identify the following organisms in the above food chain.

Producer

Primary consumer

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

.....

(c) What role do bacteria play in the food chain?

.....

50. The picture below is of Mzee Zadde sharpening a knife. Use it to answer the questions that follow.



(a) Which force enables Mzee Zadde to sharpen the knife?

.....

(b) Give **one** way Mzee Zadde can reduce on the force named in (a) above on the knife.

.....

(c) Find the work done by a man who pushed a wheelbarrow using force of 80kg through a distance of 9 metres.

51. How are the following practices important on the animal farm?

- (i) Dipping
-
- (ii) Deworming
-
- (iii) Dehorning
-
- (iv) Castration
-

52. Complete the table correctly

Disease	Vaccine	Age
.....	BCG	At birth
Tetanus	At 3 months
Measles	Measles vaccine
Polio	At birth

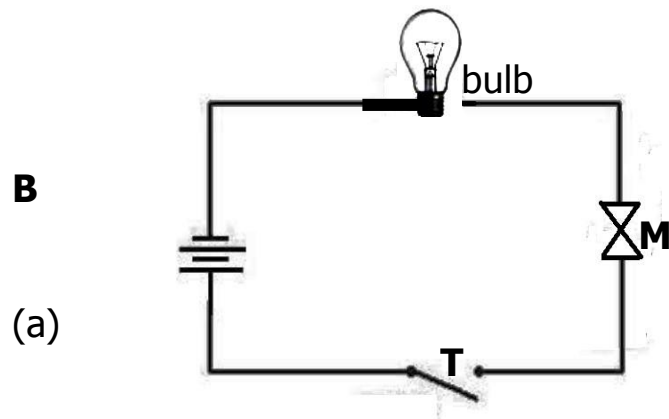
53. (a) State the end product of each of the following

- (i) Proteins
- (ii) Carbohydrates
- (iii) Fats
- (b) How is the liver important during the digestion of food in the human body?
-

54. (a) What is pollination?

-
-
- (b) Mention any **two** characteristics of insect pollinated flowers.
- (i)
- (ii)
- (c) Give **one** plant which undergoes cross pollination.
-

55. The diagram below shows a simple circuit. Study it carefully and use it to answer questions that follow.



Name the part marked **M**.

.....
(b) State the function of part marked **B**.

.....
(c) What energy change takes place in an electric bulb when part marked **T** is closed?

.....
(d) Use an arrow to show the flow of electrons in the diagram above.

*****END*****