

SET THREE

INTEGRATED SCIENCE

Time: 2 Hours 15 Minutes

Candidate's Name: _____

Candidate's Signature: _____

School Name: _____

District Name: _____

Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions. The paper has **15 printed papers** altogether.
3. Answer **all** questions. **All** the answers for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil will **NOT** be marked except drawings and diagrams.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: **"For examiners' use only"** and the boxes inside the question paper.

FOR EXAMINER'S 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

Questions 1 to 40 carry one mark each.

1. Name one item used to promote body cleanliness.

2. Give one advantage of using electricity at home.

3. State one way of controlling poor breeds on a ranch.

4. Which step in cleaning clothes reduces the water content in clothes?

5. Mention one practice that can be done to prevent rabbits from burrowing in a hutch.

6. Give one way of using wood fuel wisely and sparingly.

7. Mention one way of protecting drugs from contamination at home.

8. Which type of change forms reversible products?

9. Give one example of an energy resource from water.

Use the diagram below to answer questions 10 and 11.



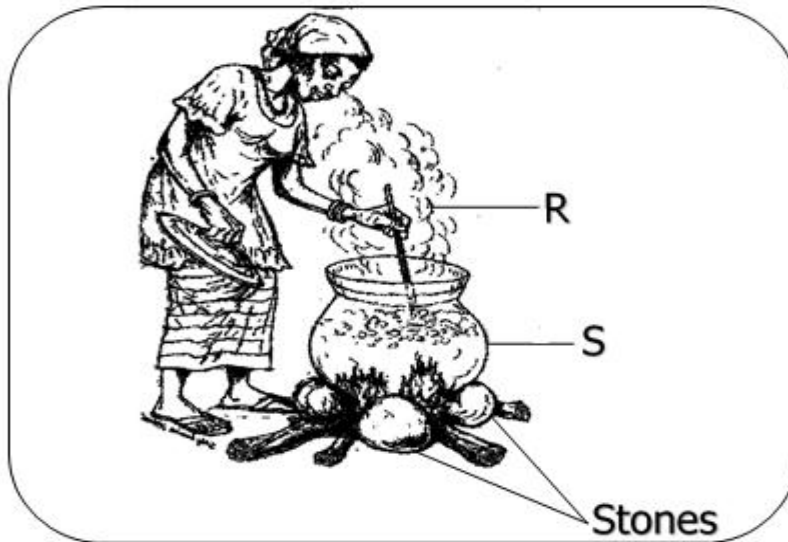
10. Name one group of people that uses the latrine above.

11. Why is the type of latrine shown above not suitable in a primary school?

12. Give one way of controlling near drowning at home.

13. Which method of making alcohol involves no use of heat?

Below is a diagram showing a mother cooking food. Use it to answer questions 14 and 15.



14.Name the substance marked R in the diagram above.

15.How are stones important in the above process of cooking?

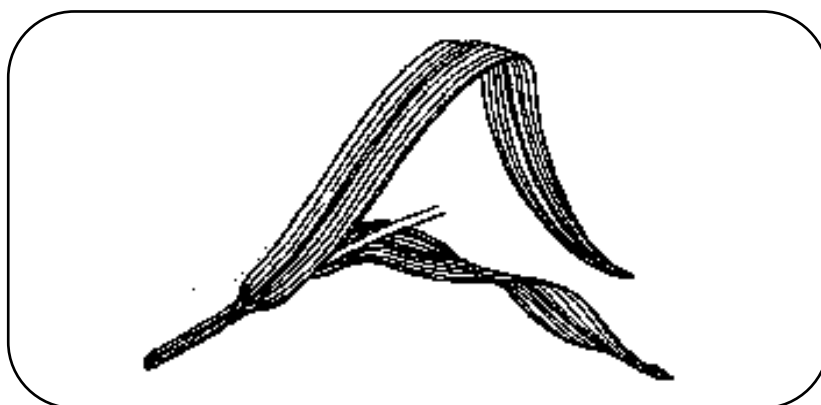
16.What can a bee farmer do to ease collection of nectar by bees?

17.Give one activity done to limit breeding of mosquitoes in a place.

18.Mention one way of controlling reinfection among couples with gonorrhea.

19.State one way of caring for the organ that filters blood in the body.

Use the diagram below to answer questions 20 and 21.



20.State the main role of the part shown above to a plant.

21.What name is given to the type of vein arrangement in a leaf above?

22.How can parents promote immunization program in an area?

23.Give one structural characteristic of veins.

24.Mention one way can control the spread of fungal infections in a school.

25.Give one narcotic drug that stains teeth if used for long.

26.Give one way of controlling worms that cause anaemia among children.

27.State one characteristic of root tuber crop pests.

28.Name one thing used to make oral rehydration solution.

29.Why do farmers prefer keeping local breeds of cattle?

30.Mention one way of controlling accidents at school.

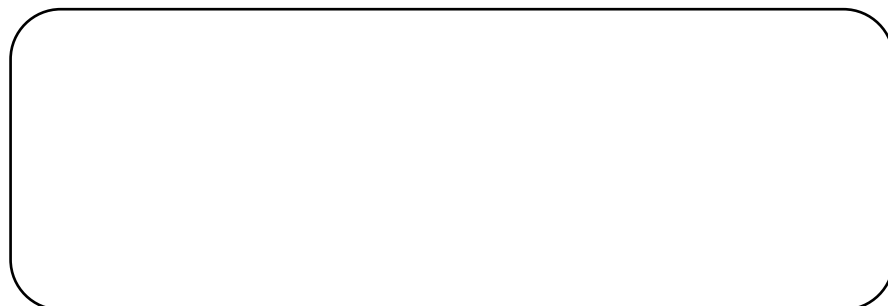
31.Which type of weather can be managed using a hat?

32.Name one method of heat transfer that cannot take place a vacuum of a thermos flask.

33.Give one habit that can promote competition for oxygen between people and animals at home.

34.Give one way of controlling digestive disorders.

35.In the space below, draw a garden tool used to collect dug weeds in the garden.



36. How is the oviduct useful in the female reproductive system?

37. Give one example of a foodstuff used for weaning babies.

38. Mention one effect of parasites in animals.

39. How does having a low density affect an object placed on water?

40. Mention one way of re-using plastic wastes.

SECTION B (60 MARKS)

Questions 41 to 55 carry four marks each.

41.a) Give one situation that may make each of these parts fail to work when the switch is closed.

i) dry cells _____

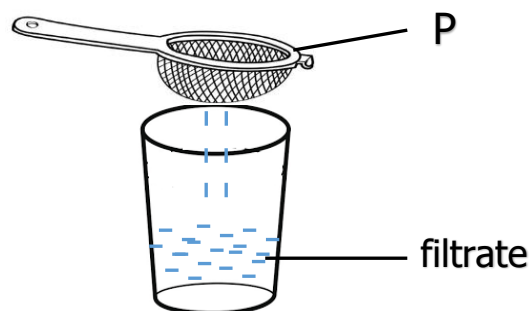
ii) bulb _____

b) State the energy change that occurs in each of these parts of a complete circuit;

i) bulb _____

ii) dry cell _____

42. The diagram below shows a method used to separate mixtures at home. Use them to answer questions that follow.



a) Name the method shown above.

b) How is part **P** useful in the method above?

c) Give one activity done at home using the method above.

d) Why should a person wash hands before carrying out the activity mentioned in "c" above?

43.a) Give two properties of air.

i) _____

ii) _____

b) Which part of air is added to the atmosphere by starch making in plants?

c) Name one disease that spreads through contaminated air.

44. Use the table below to answer questions about it.

B	C	D	A
Crow	Lion	Toad	Spider
Stork	Cat	Newt	Scorpion
Vulture	Leopard	Salamander	Mite

a) To which group of cold blooded animals do animals in D belong?

b) How do animals in group B promote sanitation in the environment?

c) What enables animals in group C to run after their prey without being heard?

d) How do animals in group A differ from the rest of animals in the table above?

45.a) Give one use of magnets in our daily life.

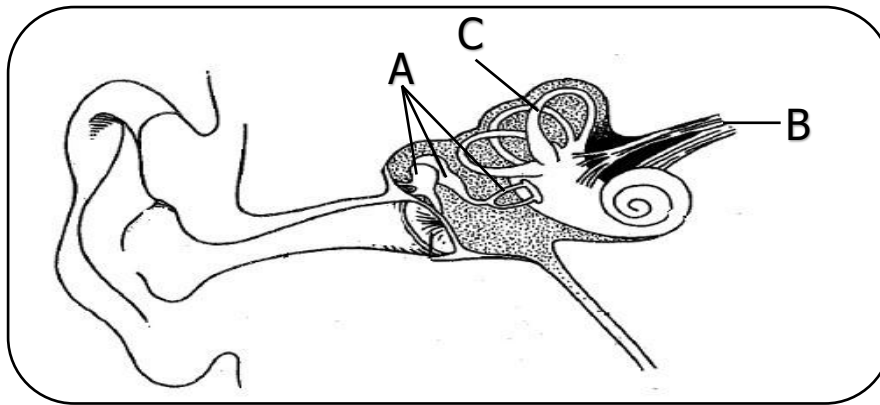
b) **Name the methods of making magnets described below;**

i) a magnetic material gaining magnetism through contact to a permanent magnet

ii) a magnetic material gaining magnetism by placing it in a solenoid with direct current electricity

c) Mention one way of keeping a permanent magnet stronger for long.

46. Use the diagram of the mammalian ear below to answer questions about it.



a) Name the part marked A.

b) To which form of energy does the organ above respond?

c) **Use letter Q on the diagram above to show the part that balances air pressure on both sides of the ear drum.**

d) Give one effect of using sharp objects to clean the ear.

47.a) Name one vector that spreads germs through each of the following ways;

i) biting _____

ii) food contamination _____

b) Give one way of reducing vectors at home.

c) Name one place where vectors hide.

48. Name the body systems whose disorders are given below;

a) hiccups _____

b) ectopic pregnancy _____

c) constipation _____

d) fractures _____

49. a) Give one use of heat to each of the following;

i) mother at home _____

ii) blacksmith _____

b) State two effects of heat gain on matter.

i) _____

ii) _____

50.The diagram below shows teeth. Use it to answer questions.



a) Name the teeth marked P and Q.

i) P _____ ii) Q _____

b) How is tooth Q useful during digestion?

c) Mention one habit that affects teeth negatively.

51.a) Give two functions of the human skeleton.

i) _____

ii) _____

b) How are muscles useful in the body?

c) Give one way of keeping bones and muscles in good working conditions.

52. **a) Which crop growing practice is responsible for;**

i) maintaining the plant population in the garden? _____

ii) reducing weight on a plant? _____

iii) helping in nitrogen fixation? _____

b) Give one effect of failure to weed a banana plantation.

53.a) How are the health lifestyles below useful to the body;

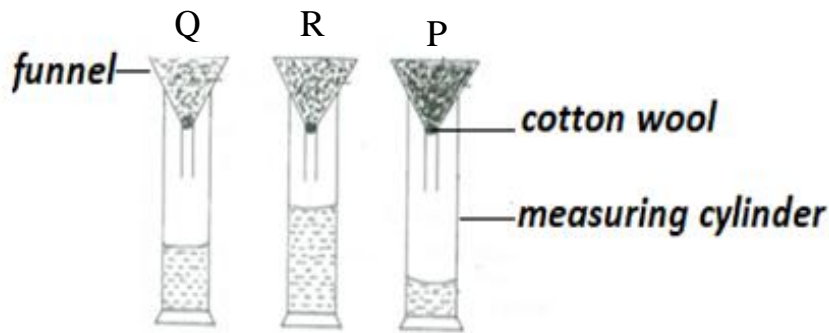
i) having enough rest and sleep?

ii) abstinence?

iii) feeding on a balanced diet?

b) Mention one disease that results from poor health lifestyles.

54. The experiment below was done by P.7 pupils. Use it to answer questions that follow



- a) Name the type of soil marked;
 ii) P _____ ii) R _____
 b) Why does a balanced amount of water pass through soil sample Q?

 c) Give one observable characteristic of soil sample R.

55. Match the plant processes with their uses to the plant.

Plant process

Use

Seed dispersal

plants obtain food

Photosynthesis

plants are cooled

Transpiration

plants colonise new areas

Pollination

plants are helped to reproduce

- a) Seed dispersal _____
 b) Photosynthesis _____
 c) Transpiration _____
 d) Pollination _____

END