



VICTORY STEP EDUCATION SERVICES  
PRE - REGISTRATION SUPER CHECK ONE  
PRIMARY SEVEN

2023

INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Random No:						Personal No:		

Candidate's Name: .....

Candidate's signature: .....

District ID No: 

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School Name: .....

**Read the following instructions carefully :**

1. Do not forget to write your **school** or **district** on the paper
2. This paper has two sections: **A** and **B**.  
Section **A** has **40** questions and section **B** has **15** questions.
3. Answer **all** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
4. All answers must be written using a **blue** Or **black** ball point pen or ink. Any work Written in pencil will not be marked.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table indicated  
**"FOR EXAMINER'S USE ONLY"**

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: 40 MARKS

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

1. To which group of mammals does a kangaroo belong?

2. How are jack fruit seeds adapted to their mode of seed dispersal?

3. Give any one product from cows that aids in the control of kwashiorkor.

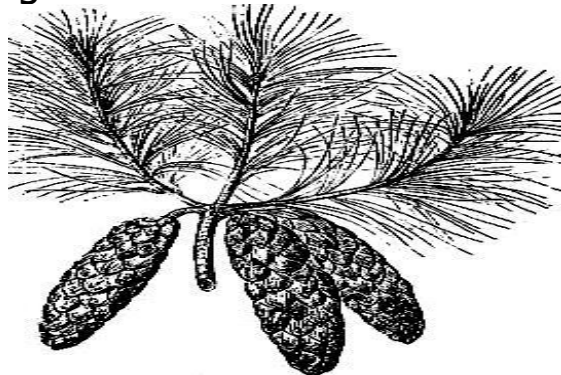
4. How is the propagation of an onion different from that of an irish potato?

5. Give any one way of caring for animals as resources in the environment.

6. How is the cause of influenza similar to that of COVID – 19 ?

7. Which type of germ causes typhoid?

Study the diagram below and use it to answer the questions that follow.



8. How does the above example of a non – flowering plant reproduce ?

9. To which group of non – flowering plants does the above plant belong?

10. How can children at home be prevented from self - medication?

11. Why are poles used in fencing first treated before using them for fencing?

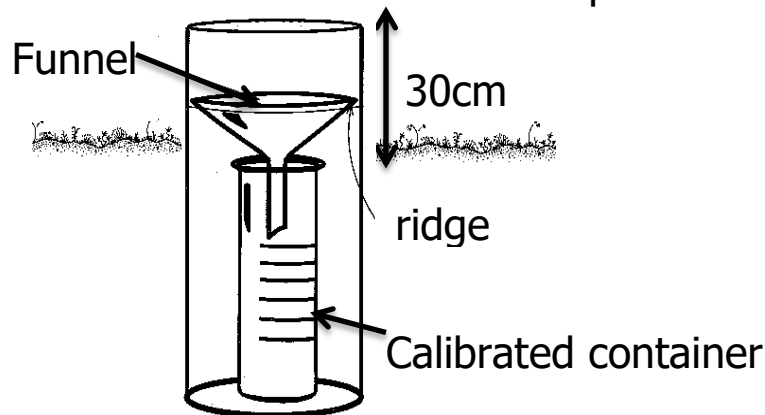
12. How is sunlight important during the process of photosynthesis?

13. Give a reason for keeping away *Ebola* people from other people.

- .....
14. State one natural source of sound energy.
- .....
15. How do mulches help to keep moisture in the soil?
- .....
16. Give any one way in which sound reflection is important to people.
- .....
17. Why does a person infested with tape worms likely to lose weight ?
- .....
18. How is measles vaccine given to a baby?
- .....
19. Which human body organ filters blood?
- .....

.....

Study the diagram below and use it to answer the questions that follow



20. Give a reason why people are advised to put the above instrument in an open place.
- .....
- .....
21. Why is the above instrument raised 30cm above the ground?
- .....
22. Which blood component is destroyed by sickle cell anaemia?
- .....
23. Give one health care service which is provided through maternal and child health as an element of Primary Health Care.
- .....
24. State one way in which snails are dangerous to people.
- .....
25. State the method that can be used to separate millet seeds with its husks.
- .....

26. Name any one disease that is likely to attack a home without latrine.  
.....
27. In which state of matter does heat travel fastest?  
.....
28. Give one effect of overcrowding chicken in their house.  
.....
29. Why do the lungs contract during inhalation?  
.....
30. In which way are ventilators put on a house for proper letting out of stale air?  
.....
31. What would you do to a bow harp string to make it produce sound with a high pitch?  
.....
32. How do living organisms in the soil help to improve soil fertility?  
.....  
.....
33. Give the function of a rip saw to a farmer.  
.....
34. How do cockroaches spread diseases to people?  
.....
35. What do you understand by "plantation farming"?  
.....  
.....
36. Mention one form of energy got from the sun  
.....
37. How does a snake increase in size?  
.....
38. Why is distilled water not recommended for drinking?  
.....
39. Give any one primary sex characteristic in girls.  
.....
40. Why does the percentage composition of Nitrogen remain during the process of inhalation remain the same even during exhalation?  
.....  
.....

## SECTION B: (60 MARKS)

All answers in this section carry four marks each.

41. The diagram below shows a section through a maize grain. Study it and use it to answer the questions that follow.



- a) Name the parts marked:

A .....

B .....

- b) What type of root system does part D develop after turning into a root system?

.....

- c) State the function of part labeled B in a maize grain.

.....

- 42.a) Which cattle disease is spread through bites of a tsetse fly?

.....

- b) Give any one effect of parasites to cattle.

.....

- c) Give any two ways of controlling tick borne diseases in cattle

i) .....

ii) .....

- 43.a) Give any two dangers of using kerosene lamps to light bedrooms

i) .....

ii) .....

- b) Give any two ways of conserving resources in the environment.

i) .....

ii) .....

- 44.a) Write down any two things that happen to air in the nose as we breathe

i) .....

ii) .....

- b) State the importance of cilia found in the nose during inhalation.

i) .....

ii) .....

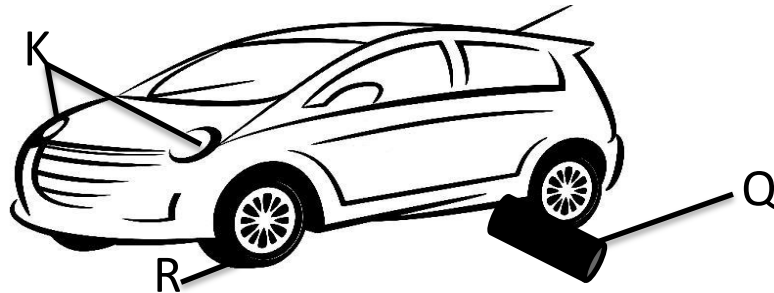
- 45.a) List any two factors considered when sorting clothes for washing.  
 i) .....  
 ii) .....  
 b) Name two elements of weather which help in drying washed clothes.  
 i) .....  
 ii) .....
46. The table below shows materials used in administering First aid and their uses in wrong order.

Part A	Part B
Stretcher	For sterilizing areas with wounds and cuts.
Splints	For fastening the bandage.
Methylated spirit	For carrying a casualty who cannot walk.
Safety pin	For keeping the fractured limb in one position.

- a)Stretcher .....  
 b) Splints .....  
 c) Methylated spirit .....  
 d) Safety pin .....
- 47.a) State any two agents of soil erosion.  
 i) .....  
 ii) .....  
 b) Give two ways in which soil erosion can be controlled in hilly areas.  
 i) .....  
 ii) .....
- 48.a) What do you understand by the term "temperature"  
 .....  
 .....  
 b) How is a six's thermometer useful to people?  
 .....  
 .....

c) Convert  $10^{\circ}\text{C}$  to  $^{\circ}\text{F}$

49. The diagram below is of a vehicle. Use it to answer the questions that follow.



a) Why is part Q put where it is as when the vehicle is not moving?

b) How is smoke produced by vehicles dangerous in the environment?

c) Give one effect of friction on part marked R.

b) How is part K useful at night?

50.a) Name any two physical processes involved in rain formation.

i) .....

ii) .....

b) State the type of clouds involved in rain formation.

c) How is rain water harvested in the environment?

51.a) Name the food substance made by plants that turns iodine blue – black.

b) What process enables the plants to make the food substance given in 51(a) above?

c) Mention any one raw material plants need to make their food.

d) Apart from food, state one other use of plants in the environment.

52. The table below shows a list of animals , use it to answer the questions that follow.

P	Q	R
Toad	Chameleon	Squirrel
Newt	Snake	Pig
Frog	Lizzard	Bat

- a) Give one characteristic common in all the animals in the table.  
.....
- b) How is the reproduction of animals in list P and Q different?  
.....  
.....
- c) Which list are warm blooded?  
.....
- d) Mention any one animal you would include in list Q.  
.....
- 53.a) Give the meaning of ``family planning``  
.....  
.....
- b) Why do some parents prefer producing many children ?  
i) .....  
ii) .....
- c) Name any one permanent method of family planning in men.  
.....
54. Which vaccine is administered on each of the following body parts  
i) Mouth .....  
ii) Left upper arm .....
- b) Give two ways how the body gains immunity.  
i) .....  
ii) .....
- 55.a) Name the first aid whose first aid is given by slightly raising the legs.  
.....
- b) Why are the legs of the victim slightly raised?  
.....
- c) State any two conditions that can result into the accident you named in 55(a) above.  
i) .....  
ii) .....