



VICTORY STEP EDUCATION SERVICES
PRE - REGISTRATION SUPER CHECK THREE
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		

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Turn Over

SECTION A: 40 MARKS

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

1. Which process in plants helps them to reduce the rate at which they lose water during dry season?
.....
2. Name the type of change which results in the formation of a new substance.
.....
3. Which element of PHC help to check on the population growth?
.....
4. State the energy change that takes place in the dynamo when it is in use.
.....
.....
5. Which deficiency disease results in bleeding gums?
.....
6. What form of energy is stored in wood fuel?
.....
7. How can weed growth be controlled in the garden?
.....
8. Give one use of the placenta to the foetus.
.....
9. Give the importance of having a dust bin at home.
.....
10. Why do people installing electricity wear rubber gloves?
.....
11. How can dental caries be prevented?
.....
12. Give any one way in which drug dependence can affect an individual.
.....
13. How do silvery walls of a vacuum flask reduce heat loss?
.....
14. How are plastics and glass materials dangerous to the soil?
.....
15. What class of food is digested in the stomach?
.....
16. In which human body organ does exchange of gases take place?
.....
17. State the injury that results from tearing of muscles.
.....
18. What type of blood is carried by most blood vessels with valves?
.....
19. How can a farmer control pneumonia in sheep?
.....
.....

20. Name the food value we get from eating tuber crops.
.....
21. Give any one sign of pests and diseases in beans.
.....
22. Mention any one advantage of breast feeding to a mother.
.....
23. Which property of air makes lungs to expand when we breathe in?
.....
24. Why are bacteria called single celled organisms?
.....
25. Which agent of soil erosion causes gullies?
.....
26. Give one way in which conifers are different from all other non – flowering plants.
.....
27. Give any one characteristic of dairy cattle.
.....
28. In which one way is friction reduced at a joint?
.....
29. Give one way in which rainfall is important for plant growth.
.....
- Study the diagram below and use it to answer question 30 and 31.

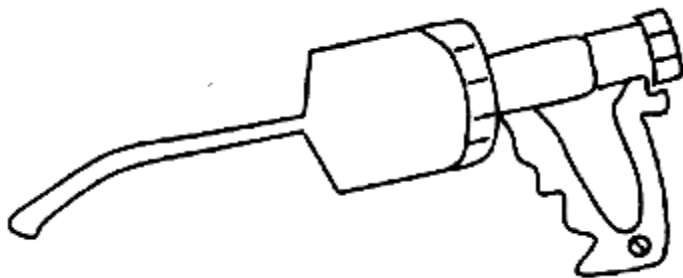


30. How is the above tooth adapted to its function?
.....
31. Apart from the above type of tooth, give one other type of tooth.
.....
32. Give the role of warmth during seed germination.
.....
33. How are fleshy leaves of an onion similar to the endosperm of maize grain?
.....
34. How does sunlight intensity affect the rate of photosynthesis?
.....
.....

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



- 35. What type of pollination is shown above?
.....
- 36. Why do the flowers of a tomato and groundnuts remain closed?
.....
- 37. Which method of making alcohol involves the use of yeast.
.....
- 38. State the use of the instrument drawn below in cattle management.



- 39. Give any one way in which market is an important factor in livestock farming.
.....
- 40. Give any one way of conserving plants as resources.
.....

SECTION B(60 marks)

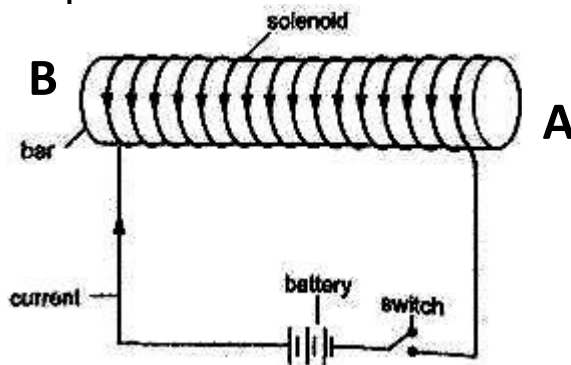
All answers in this section carry four marks each.

- 41a) Which gas in the atmosphere is used for;
 - i) respiration
 - ii) making chlorophyll
- b) Give two ways in which carbon dioxide is a useful gas in the environment.
 - i)
 - ii)

- 42a) Which part of the body is affected by each of the following diseases?
 i) Trachoma
 ii) Scabies
 b) State the vector which spreads each of the following diseases.
 i) Bilharziasis
 ii) Rabies

- 43a) Name two water resources that provide us with proteins.
 i)
 ii)
 b) Give two human activities that can lead to the destruction of such resources
 i)
 ii)

44. The diagram below shows a method of making a magnet. Study it and use it to answer the questions that follow.



- a) Calculate the voltage used in the above method of making magnets

 b) Name the method of making magnets shown above.

 c) How will a P.7 child identify pole marked **A** or **B**?

 45a) What is the function of the liver in digestion of food?

 b) Why are vitamins and mineral salts not digested in the body?

 c) Which digestive disorder makes the intestine to twist itself?

 d) Give one way of maintaining the efficiency of the digestive system.

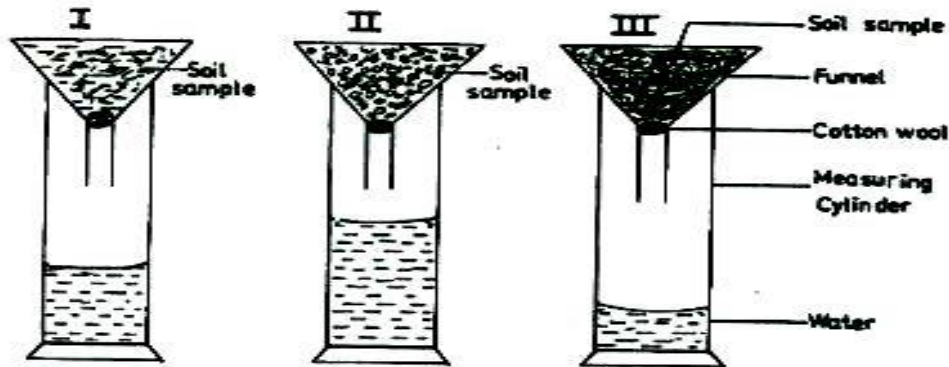
 46a) Match the list in **A** correctly with those in **B**

A

B

Bacteria	by budding
Yeast	Binary fusion
Mosses	Use of spores
Echdna	By laying eggs
Bacteria	
Yeast	
Mosses	
Echdna	

47. Use the experiment below about soil and answer the questions that follow.



- What is the experiment about soil?
.....
- Which of the soils drains water fast?
.....
- Give a reason for your answer in 47(b) above.
.....
- Which of the above soil samples can be used for ceramics?
.....

- In which part of the bulb is electric energy converted to heat and light?
.....
- Give any one situation under which a fuse may melt.
.....
- Why doesn't a dry powered torch have a fuse?
.....
- State the function of the switch on a cell powered torch.
.....

- Give the meaning of the word matter.
.....
.....

b) The volume of in a measuring cylinder was 35cm^3 when a stone was fully immersed into the measuring cylinder, the volume of water rose to 62cm^3
Calculate the volume of the stone.

c) Why does heat travel fastest in gases than solids?

d) State any one effect of heat loss on matter.

50a) How are bacteria useful during the process of digestion?

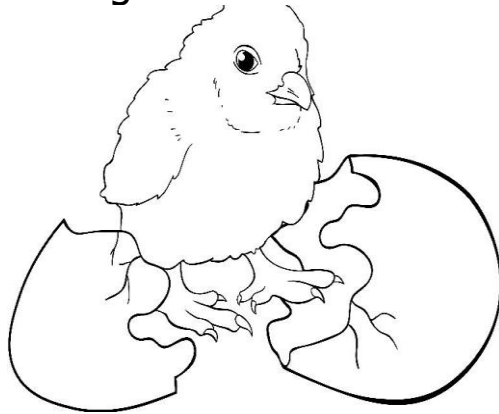
b) Give two ways in which bacteria are harmful to people.

i)

ii)

c) Give a reason for why fungi are not regarded as a plant.

51a) Which type of change is drawn below.



b) Give any one example of biological change in plants.

c) State any two good effects of changes in the environment.

i)

ii)

52a) Name two scavenger birds in the environment.

i)

ii)

b) Give the difference in feeding between birds of prey and scavenger birds .

.....
.....

c) Why do scratching birds have strong blunt claws?

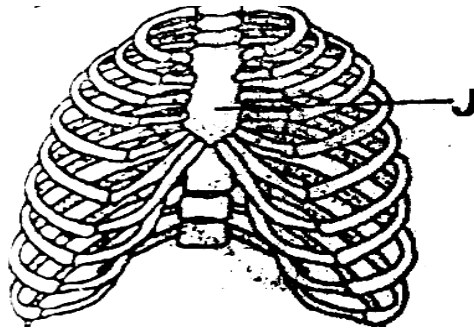
53a) Give any one of the advantages of modern bee hives.

b) How do bees depend on plants near bee hives?

c) Why should bee hive be far away from schools and human dwelling places?

d) Give the role of the master bee in a hive

54. Study the part of the skeleton drawn below and use it to answer the questions that follow.



a) Name the part of the body protected by the part of skeleton drawn above.

b) Which movable joint is found at the neck?

c) How is the ribcage of the human skeleton used during the process of breathing out?

d) Give any one way of caring for the skeletal system.

55a) What term refers to the attachment of the embryo on the uterus walls?

b) Name any two sexually transmitted disease(STD) caused by bacteria.

i)
ii)

c) Write down one disadvantage of artificial methods of family planning.