

VICTORY STEP EDUCATION SERVICES

PRE MOCK SET TWO

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

NAME.....

SCHOOL.....

INDEX NUMBER

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1. This paper has two sections A and B
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 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 using a blue or ballpoint pen or ink but not a pencil. All work done in pencil except diagrams will not be marked.
6. Unnecessary alteration of work will lead to loss of mark.
7. Any handwriting that cannot be easily be Read may lead to loss of marks.

FOR EXAMINER'S USE ONLY		
QN	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A(40Marks)

1.What name is given to the longest bone in the body?

.....

2.Name the plant process that uses oxygen to take place.

.....

3.In which way is a tadpole similar to a fish in terms of breathing?

.....

4.What form of current electricity is generated at Jinja?

.....

5.Give one reason for preserving meat.

.....

6.Why does an earth worm die if oil is poured on its body?

.....

7.Why is it possible to control the spread of cattle diseases in paddock system

.....

8.Why do you think seeds of an orange are likely to be dispersed by animals?

.....

9.Why is proper disposal of refuse important in a home?

.....

10.How is air we breathe in different from air we breathe out?

.....

11. Apart from having bright colours, state any other characteristic of insect pollinated flowers.

.....

12. Give one way in which ring worms are spread.

.....

13. Which of the gases forms the greatest percentage in the atmosphere?

.....

14. Which property of magnets helps pilots to find direction?

.....

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



15. Identify the first aid being given to the person above.

.....

16. Why is the person who has got such an accident pressed on the belly?

.....

17. State any one difference between bacteria and animals.

.....

18. State one reason for which sound is regarded as a form of energy.

.....

19. Apart from immunization, give any other way of controlling the spread of tuberculosis.

.....

20. State the difference between renewable resources and nonrenewable resources.

.....

21. Mention one way of keeping latrines clean at home.

.....

22. Why should a pregnant mother be fed on foods rich in all food values

.....

23. Give the difference in function between a ligament and a tendon.

.....

24. Why do farmers prefer rearing local breeds of chicken than exotic breeds?

.....

25. How are worker bees able to collect pollen from flowers?

.....

26. What is the function of ventilators on a house?

.....

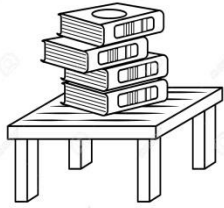
27. Write UNEPI in full.

.....

28. Which part of an egg provides the embryo with proteins and fats?

.....

29.What type of energy is possessed by the books on the table below?



.....

30.Why is it not good to eat left over cold food in the morning?

.....

31.Which type of soil allows water to pass through it easily?

.....

32.In which one way are regular health parades important to school children?

.....

33.State any one way in which animals benefit from soil.

.....

34.In which one way can one avoid night blindness?

.....

35.Name the type of germ which causes trachoma?

.....

36.By what process does oxygen join blood stream in the alveoli?

.....

37.In the space below draw a beak of a scavenger bird.

38. Give the main function of the heart in the human body.

.....

39. Which fungus is used during fermentation method of alcohol?

.....

40. Which agent of seed dispersal scatters coconut seeds?

.....

SECTION B

41.a) Which breed of cattle is obtained by mating a pure local breed with an exotic breed with an exotic breed?

.....

b) Give any one importance of proper housing of cattle.

.....

c) How does natural insemination lead to the spread of venereal diseases in cattle?

.....

d) State any one sign of heat period shown by a cow.

.....

42a) Name any two animals that provide labour to people.

i)

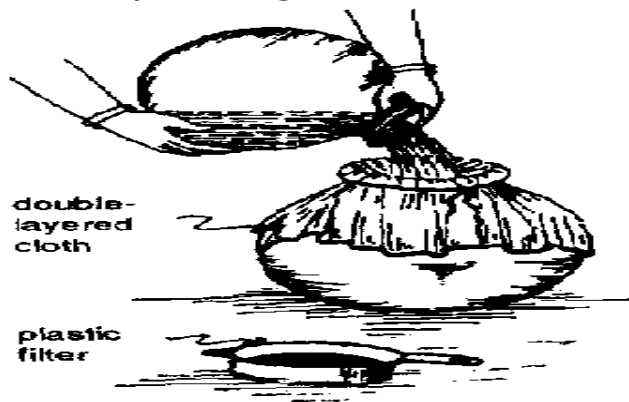
ii)

b) State any two reasons for which resources should be conserved.

i)

ii)

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



a) Name the method of obtaining clean water shown above.

.....

b) Why is the clean water obtained from the above water not good for drinking.

.....

c) Give any two activities at home where the above clean water can be used.

i)

ii)

44. The materials in A are for administering first aid while those in B are their functions. Match them correctly.

A	B
Stretcher	For sterilizing medical instruments
Splints	For fastening bandage
Methylated spirit	For carrying an unconscious casualty
Safety pin	For keeping fracture limb in one position

Stretcher.....

Splints.....

Methylated spirit.....

Safety pin.....

45a)How does prolonged breast feeding help in family planning?

.....

b)Write down any two advantages of family planning.

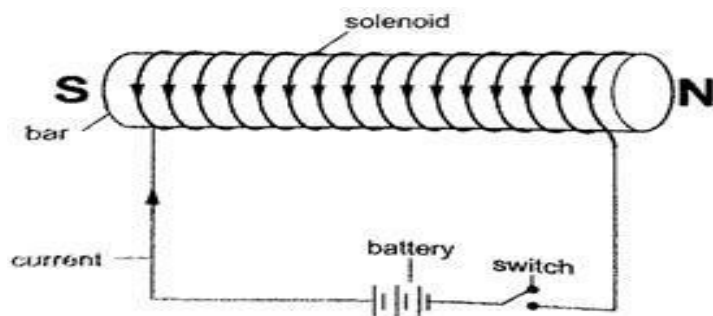
i).....

ii).....

c)Name one other natural method of family planning apart from breast feeding.

.....

46a)The diagram below shows a method of making magnets. Use it to answer the questions that follow.



a)Name the method of making magnets shown above.

.....

b)How can one find the pole of a magnet using the method above?

.....

c)Mention any two factors which determine the strength of new magnet made in the method shown above.

i).....

ii).....

47a)Why should water be added into a biogas digester?

.....

b)Mention any two organic materials used in production of biogas.

i).....

ii).....

c)State any one reason why the use of biogas for cooking is considered to be environmental friendly.

.....

48a)Give the meaning of poultry vice.

.....

b)Mention any one cause of poultry vices in the farm.

.....

c)Mention any two ways poultry farmers control poultry vices on a farm.

i).....

ii).....

49a)State the function of haemoglobin in blood.

.....

b)Mention any one condition that may result from lack of platelets in the body.

.....

c)How does blood regulate the body temperature?

.....

d)Why are cardiac muscles on the left ventricle thicker than the ones on the right side of the heart?

.....

50a)How does the ear drum help someone to hear sound?

.....

b)How is the ear wax important in the ear?

.....

c)What is the effect of too much ear wax in the ear?

.....

d)How does a grasshopper produce sound?

.....

51a)State one reason why a frog is able to live both on land and in water.

.....

b)To which group of vertebrates does a frog belong?

.....

c)What helps a frog to swim easily in water?

.....

d)How does a frog protect its eggs from predators?

52.The diagram below shows a lantern lamp.Use it carefully to answer the questions that follow.



a)How does paraffin move up through the wick?

.....

b)Name two forms of energy that are produced by this lantern lamp.

i).....

ii).....

c)What is the function of part marked S.

.....

53a)Use the list of food stuffs given below to answer the questions that follow.

BEANS, RICE, CABBAGE , MILK , ORANGES.

a)Give two food stuffs that are source of proteins.

i).....

ii).....

b)How are cabbages useful in one's diet?

.....

c)Why would you regard a list of the food stuffs shown above as a balanced diet?

.....
54a)Name two agents of soil erosion.

i).....

ii).....

b)How do trees help to control soil erosion?

.....
c)How does the cutting of trees in an area lead to soil erosion?

.....
55a)In which part of a plant does photosynthesis mainly take place?

.....
b)Name two raw materials which enable photosynthesis to take place.

i).....

ii).....

c)Give the difference between photosynthesis and transpiration.

.....
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END AND GOOD LUCK.