

# VICTORY STEP EDUCATION SERVICES

## PRIMARY LEAVING EXAMINATION

### SPECIAL MOCK

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.

1. Name the type of bees that do most of the work in a colony.

.....

2. Identify one activity done by a hen to eggs in natural incubation.

.....

3. What type of root system does a maize grain have?

.....

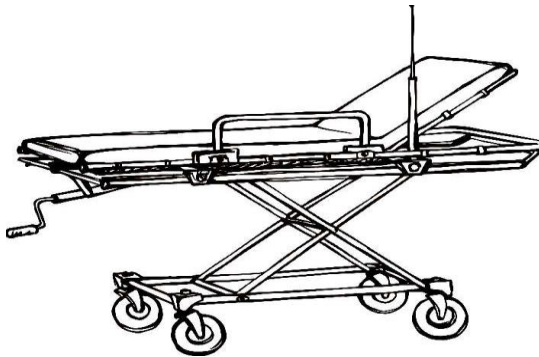
4. In which state of matter does heat travel by convection?

.....

5. Why does one kilogram of stones have less volume than 1kg of cotton wool?

.....

6. How is the equipment below important in giving first aid to a casualty?



.....

7. How can one biologically control mosquitoes at home?

.....

8. What happens to the diaphragm when we breathe out?

.....

9. Give one way a family may misuse drugs at home.

.....

10. Which component of the environment supports the life of plants and animals ?

.....

11. Name the component of air that supports burning?

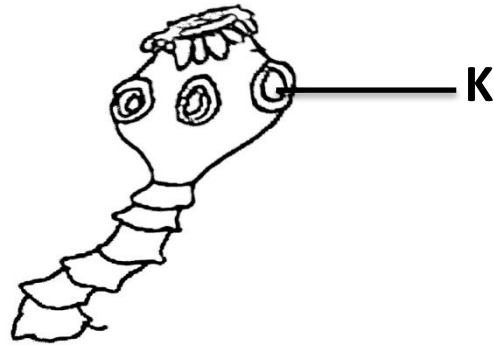
.....

12. Apart from birds , mention one other class of warm blooded vertebrates.

.....

.....

The diagram below shows a head tape worm. Use it to answer the questions 13 to 14.



13. How is the feeding of the above worm different from that of a hookworm?  
.....

14. What is the role of part K to the above worm?  
.....

15. The mass of a bag of rice is 50g. If its volume is 10cc. Calculate its density.  
.....

16. Name the type of germ that causes diphtheria.  
.....

17. By what process does food move along the alimentary canal?  
.....

18. Give any one effect of diarrhea to the body.  
.....

19. Why do farmers rarely use clay soil for agriculture?  
.....

20. How does the electric component drawn below help to break the circuit when there is too much current flowing in a circuit?



21. Which method can be used to separate water from paraffin.  
.....

22. Name one example of a mammal that lives both on land and in water.  
.....

23. Name any one other disease caused by fungi apart from ringworms.  
.....

24. Give any one reason why the elderly should be fed frequently.

.....

25. What is meant by the term swarming as used in bee keeping.

.....

.....

26. Mention one reason for the proper disposal of human excreta.

.....

27. Which element of PHC is promoted by providing antenatal care a pregnant woman?

.....

28. Which force makes a pencil to reduce in size as one writes?

.....

29. Give the function of the hairs on the skin.

.....

30. How is the jelly around the eggs of a toad important?

.....

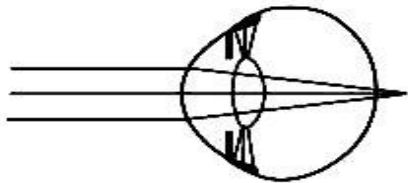
31. State any one reason why cattle keepers practice cross – breeding .

.....

32. Which delicate body organ is protected by the cranium?

.....

33. How can the eye defect drawn below be corrected?



.....

34. How is a hygrometer important at a weather station?

.....

35. Give one way living organisms in soil help to improve soil fertility?

.....

36. How are arteries able to withstand pressure of blood pumped from heart?

.....

37. To which class of levers do we put a fishing rod?

.....

38. What term refers to the release of ovum from the ovary?

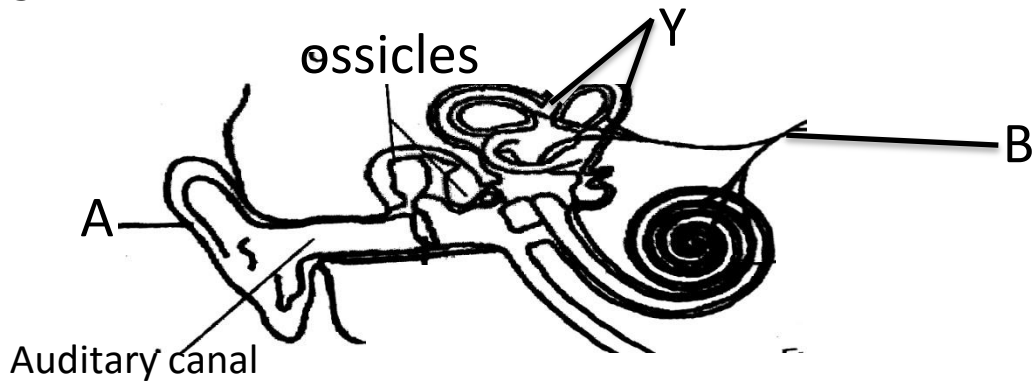
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39. Why should water obtained by filtration be first boiled before drinking it?

40. What is the source of energy for producers in a food chain?

### SECTION B(60MARKS).

41. The diagram below shows a human ear .



a) Name the p marked

i) A .....

ii) B .....

b) How is part marked Y adapted to its function of balancing the body?

c) How can one care for the above organ to keep in a proper functioning way?

42a) Name the component of blood that transports digested food.

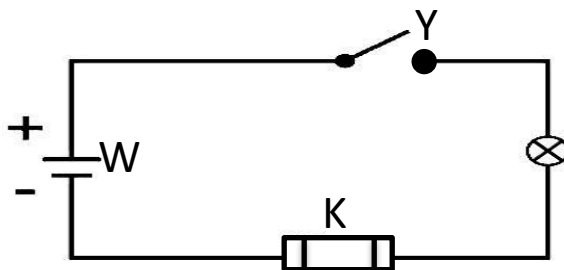
b) Give two components of blood plasma.

i) .....

ii) .....

c) How does white blood cells defend the body against diseases?

43a) Use the diagram below to answer the questions that follow.



a) Name the component of a circuit marked Y.

b) Give the function of component W.

c) How is component Y similar to component K in terms of their function?

d) State the energy change that takes place in the bulb when the circuit is complete.

44a) Name the type of cattle that provides labour at home.

b) State one structural difference between a dairy cattle and a beef cattle.

c) Name any one example of a dual purpose type of cattle.

45a) State any two ways of conserving non-renewable resources .

i).....

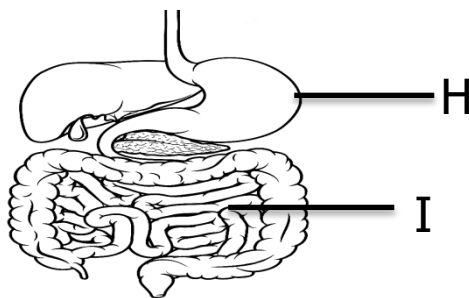
ii).....

b) In which two ways does un controlled bush burning degrade the environment.

i).....

ii).....

46a) Study the diagram below and use it to answer the questions that follow.



a) Name the class of food digested in part H.

b) State the function of part I.

c) Give one reason why digested of food end in part I.

d) Give one way of caring for the above system.

47a) Where in the body does respiration occurs.

b) Mention two raw materials used by human body for respiration.

i) .....

ii).....

c) State the importance of cilia found in the nose during breathing in.

48a) Give any one example of a water pollutant.

b) Mention one step followed when clearing clothes.

c) Which methods of clearing clothes removes excess water from them?

49a) Give the difference between mulching and contour ploughing.

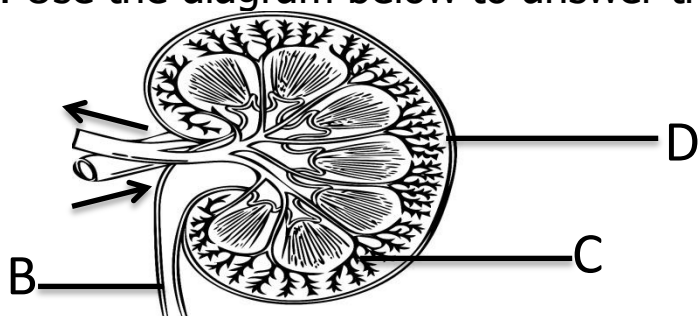
b) How does mulching moderate soil temperature?

c) Give two advantages of crop rotation.

i).....

ii).....

50. Use the diagram below to answer the questions that follow.



a) Name part marked D.

b) What happens to blood in the part marked D.

c) Give the function of part E to the kidney

d) Give one disease that affects the kidney.

51 Match the diseases in list A with the signs and symptoms in list B.

**A**

Polio

Measles

Tetanus

Diphtheria

i) Polio

ii) Measles

iii) Tetanus

iv) Diphtheria

**B**

Swollen neck

Stiffness of muscles

Paralysed tissues

Skin rash

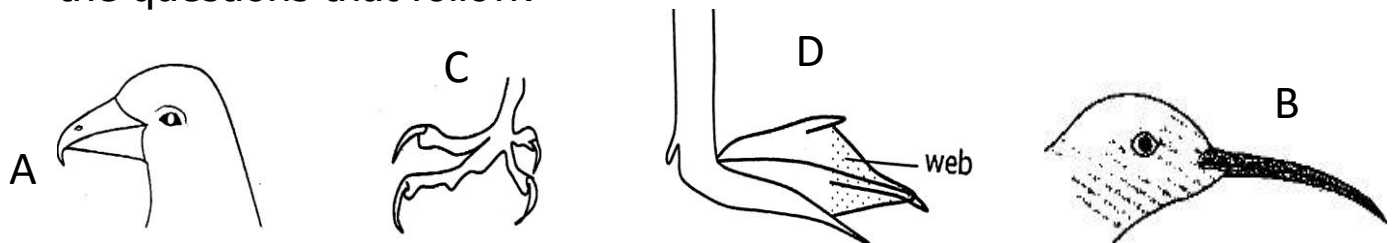
52a) Why is it important to feel the heartbeat of a seriously injured victim of an accident?

b) What first aid can you give to a person who has near drowned?

c) Give the reason for allowing a casualty who is bleeding in the nose to breathe through the mouth.

d) Why is the first aid given to a casualty.

53a) The diagram below shows the beaks and feet of birds . Use it to answer the questions that follow.



a) State the type of food the part labeled A feeds on.

b) How does the bird use foot (claws) labeled C for feeding?

c) Give the difference in feeding between birds with beak A and those with beak B.

d) How are birds with foot labeled D able to swim in water?

54a) Give the meaning of a spectrum.

b) In the formation of the spectrum of white light by a prism which colour i) is deviated least?

ii) is deviated most ?

c) What colour will the leaves appear if they are placed in blue light?

55a) Give one disadvantage of family planning.

b) Why is vasectomy regarded as a permanent method of family planning.

c) Give two natural methods of family planning.

i)

ii)