

**NAMAGUNGA PRIMARY BOARDING SCHOOL**  
**TEACHERS' SPECIAL EXAMINATION - SET 2, 2024**  
**INTEGRATED SCIENCE - PRIMARY SEVEN**

*Time allowed: 2 Hours 15 Minutes*

Index No.

RANDOM NO.					PERSONAL NO.			

CANDIDATE'S NAME: .....

CANDIDATE'S SIGNATURE: .....

DISTRICT NO:

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**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 pages** altogether.
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"** and boxes inside the question paper.

FOR EXAMINER'S USE ONLY		
QN NO.	MARK	EXER'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
<b>TOTAL</b>		

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1      **TURN OVER**

## SECTION A (40 marks)

Questions 1 to 40 carry one mark each.

1. Mention the component of ORS that gives energy to a dehydrated person.

.....

2. Which activity in cleaning clothes promotes faster drying of washed clothes ?

.....

3. Give the importance of lungs during blood circulation.

.....

4. State any one piece of advice you would give a mother to promote proper growth of children in her home.

.....

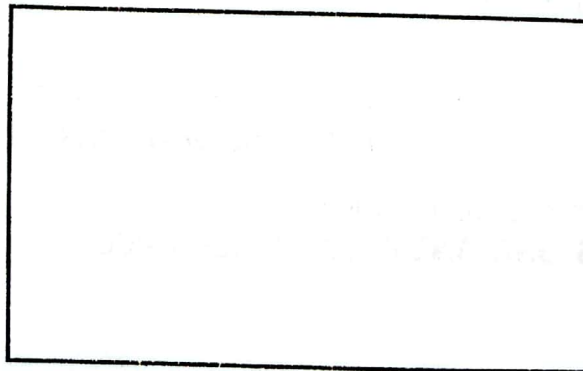
5. How is a Stevenson screen made in order to keep its inside part cool ?

.....

6. Name the organic manure made from kitchen refuse.

.....

7. In the space provided below, draw the body shape of a friesian cow.



DOVES

8. To which group of birds do crows belong ?

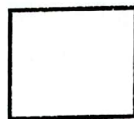
.....

9. State any one activity done by a bee farmer to prevent swarming of bees.

.....

10. Why is heat energy able to move through vacuum ?

.....



11. Give the reason for proper ventilation on a rabbit hutch.

.....

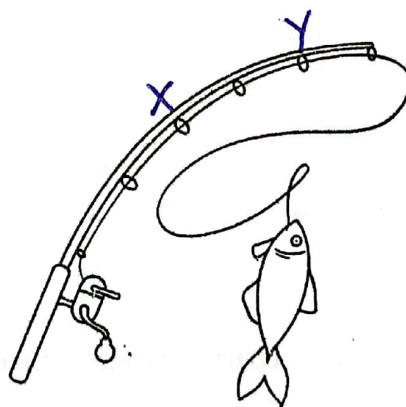
12. Why do some crop farmers use broadcasting method to apply fertilizers ?

.....

13. State the energy change during burning of wood to ash.

.....

**The diagram below shows a simple machine. Use it to answer questions 14 and 15.**



14. Name the class of lever in the diagram above.

.....



15. Why is less effort used to lift the load at **Y** than at **X** ?  
.....
16. Mention any one class of food which promotes easy digestion of food.  
.....
17. Why is it not advisable to put out petrol fire using water ?  
.....
18. Give one proof in nature that shows that light travels faster than sound.  
.....
19. State the characteristic of the silvered walls of a vacuum flask to prevent heat loss or gain by radiation.  
.....
20. Why do some farmers prefer keeping exotic breeds of goats to local breeds ?  
.....



21. Which type of teeth is not found in milk set of teeth ?  
.....
22. Why is truancy grouped under antisocial behaviour ?  
.....
23. Name the digestive juice which does not contain any enzyme.  
.....

24. Which structures in the body help to join muscles to bones ?

.....

25. Mention the type of drugs that are obtained locally from trees.

.....

**The diagram below shows a garden tool. Use it to answer questions that follow.**



26. Which crop growing practice requires the use of the above tool ?

.....

27. State any one way of caring for the garden tool above.

.....

28. Why is drenching easily done in a cattle crush ?

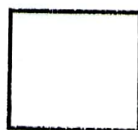
.....

29. Which part of the human ear amplifies sound vibrations ?

.....

30. Why is it dangerous to eat half cooked meat ?

.....



31. How does immunization boost body immunity ?

.....

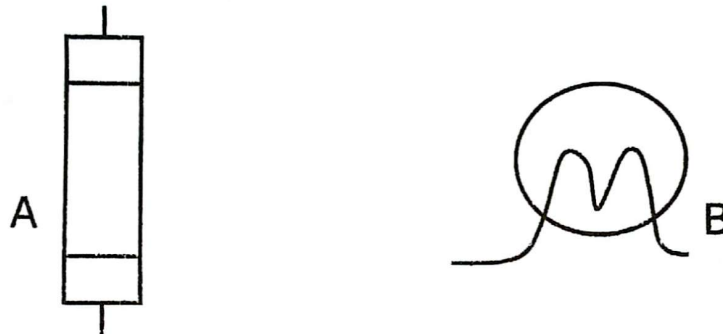
32. In which way is HIV harmful to human health ?

.....

33. Mention the method of harvesting wood that promotes growth of thicker side branches.

.....

**The diagram below shows components of an electric circuit.  
Use it to answer questions that follow.**



34. Give the use of component **B** in an electric circuit.

.....

35. How does component **A** work in an electric circuit ?

.....

36. How does rinsing of the mouth promote oral health ?

.....

37. Mention any one breed of pigs kept by farmers.

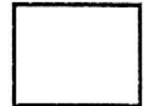
.....

38. Give any one characteristic of self pollinated flowers.

.....

39. How does covering of cooked food prevent food contamination ?  
.....

40. Why are animals grouped under renewable resources ?  
.....



## SECTION B (60 MARKS)

*Questions 41 to 50 carry four marks each.*

41(a) Mention any one example of a legume.  
.....

(b) State any two characteristics of legumes.

(i) .....

(ii) .....

(c) Why is it important to include legumes in crop rotation cycle ?  
.....

42(a) Which component in tobacco causes addiction to smoking ?  
.....

(b) Give any two dangers of tobacco smoking to a pregnant woman.

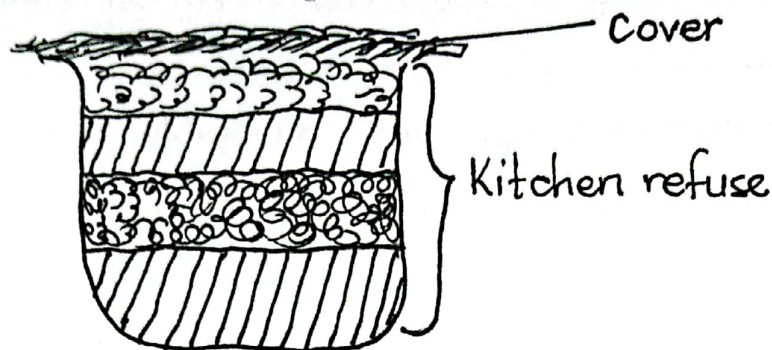
(i) .....

(ii) .....

(c) Mention any one health style that enables a P.7 pupil to avoid smoking.  
.....



43. The diagram below shows a method of making a natural manure. Use it to answer questions that follow.



(a) Name the natural manure made from the method shown above.

(b) Mention any one kitchen refuse used to make the manure above.

(b) Why are the kitchen refuse covered when making the manure ?

(b) State any one way of preventing leaching of nutrients in the method above.



44(a) Name the structures in some blood vessels which help blood to flow in one direction.

(b) Give the functions of the following blood vessels in the body:

(i) pulmonary vein

(ii) renal vein

(c) Why do some blood vessels have thick walls ?



45. Match the water associated diseases to their groups below.

A	B
(i) water borne disease	- dengue fever
(ii) water contact disease	- scabies
(iii) water habitat vector disease	- dysentery
(iv) water cleaned disease	- bilharziasis
(i) water borne disease	.....
(ii) water contact disease	.....
(iii) water habitat vector disease	.....
(iv) water cleaned disease	.....

46(a) Mention any one method of storing sound.

.....

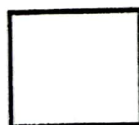
(b) Give any two examples of devices used to store sound.

(i) .....

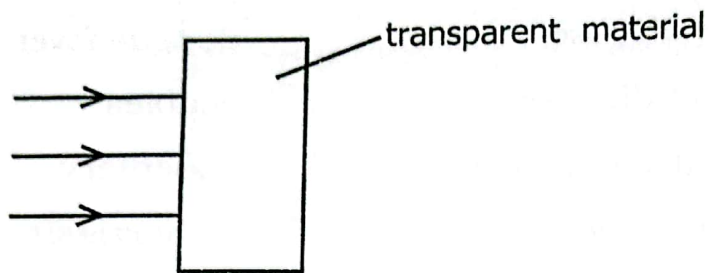
(ii) .....

(c) How is DVD player useful in relation to sound energy ?

.....



47. The diagram below shows light rays striking a transparent material. Study and use it to answer questions that follow.



- (a) Give any one example of a transparent material.

.....

- (b) Why is the material named above called a transparent material.

.....

- (c) Complete the diagram above by showing the effect of transparent materials on light.

- (d) State any one way in which people use transparent materials in their day today life situations.

.....

- 48(a) Apart from polio, mention any two viral childhood immunisable diseases.

(i) .....

(ii) .....

- (b) State any two roles of a P.7 pupil in promoting the control of childhood immunisable diseases.

(i) .....

(ii) .....

49(a) State any two classes of essential drugs.

(i) .....

(ii) .....

(b) Why should essential drugs be stored in a cool dry place ?

.....

(c) How do health workers help patients from taking under or overdose of drugs ?

.....



50(a) The table below shows classification of invertebrates. Study and

Invertebrates	
Phylum	Class
Arthropoda	Insecta
Mollusca	Gastropoda
Coelenterata	Cnidaria
Platyhelminthes	Trematoda
Aschelminthes	Nematoda
Porifera	Spongia
Echinodermata	Echinozoa
Chordata	Vertebrata



51(a) Which method of training plants involves the use of ropes between poles to provide extra support ?

.....

(b) Give two reasons for carrying out plant training.

(i) .....

(ii) .....

(c) Apart from plant training, state one other way of caring for crops in the garden.

.....

52(a) Name the element of PHC promoted through washing of hands.

.....

(b) How does washing of hands promote the element named above ?

.....

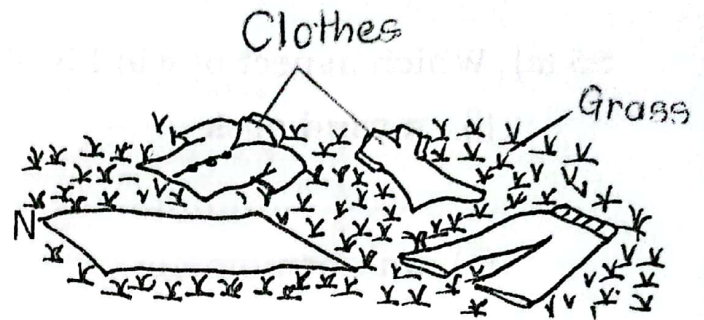
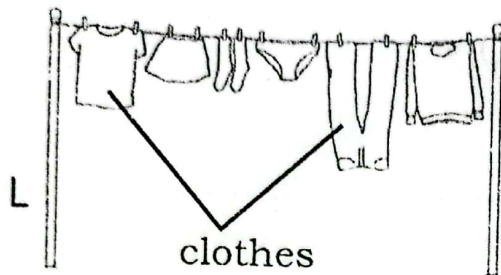
(c) Apart from washing hands, state any two other roles of an individual in promoting PHC.

(i) .....

(ii) .....



53. The diagrams below show ways of drying clothes at home. Study and use them to answer questions that follow.



- (a) Which of the two ways is recommended for drying clothes ?

.....

- (b) Give two reasons for your answer in "a" above.

(i) .....

(ii) .....

- (c) Which stage in cleaning clothes follows the one shown in the diagram above ?

.....

- 54(a) Mention any one method used to cook food at home.

.....

- (b) Give two reasons for cooking some food stuffs.

(i) .....

(ii) .....

- (c) How can contamination of cooked food be prevented at home ?

.....

55 (a) Which aspect of wind is shown by:

(i) a wind sock

.....

(ii) an anemometer

.....

(b) Give two ways in which rainfall promotes proper growth of crops.

(i) .....

(ii) .....



**END**  
**Success !**

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