

SEETA JUNIOR SCHOOL

PRE – PLE 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 :

Emis No. :

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

8. This paper has **two** sections: **A** and **B**.
9. Section **A** has 40 questions (40 marks)
Section **B** has 15 questions (60 marks)
10. Answer all questions. All questions to both Sections **A** and **B** must be written in the spaces provided.
11. All answers must be written using a blue or black ball-point pen or fountain pen.
12. Unnecessary changes of work may lead to **loss** of marks. All diagrams must be drawn in pencil.
13. Any handwriting that cannot easily be read may lead to **loss of marks**.
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14. Do **not** fill anything in the boxes indicated:
"For Examiners' Use Only"

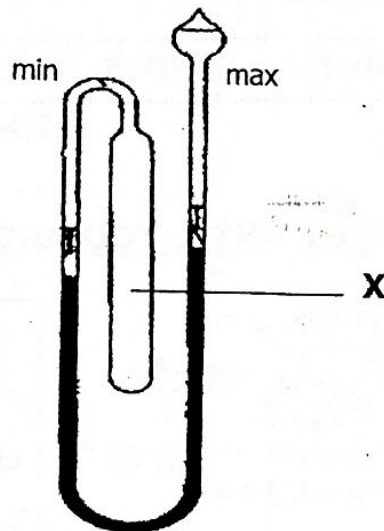
FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' IN.
1 – 20		
21 – 30		
31 – 50		
51 – 53		
54 – 55		

Previous mark	
Expected mark	

SECTION A (40 MARKS)

1. State the use of a broom in promoting sanitation.
.....
2. How do feathers keep birds warm?
.....
3. In which way is soil replaced as a renewable resource?
.....
4. Name **one** example of a short bone found in the hands.
.....

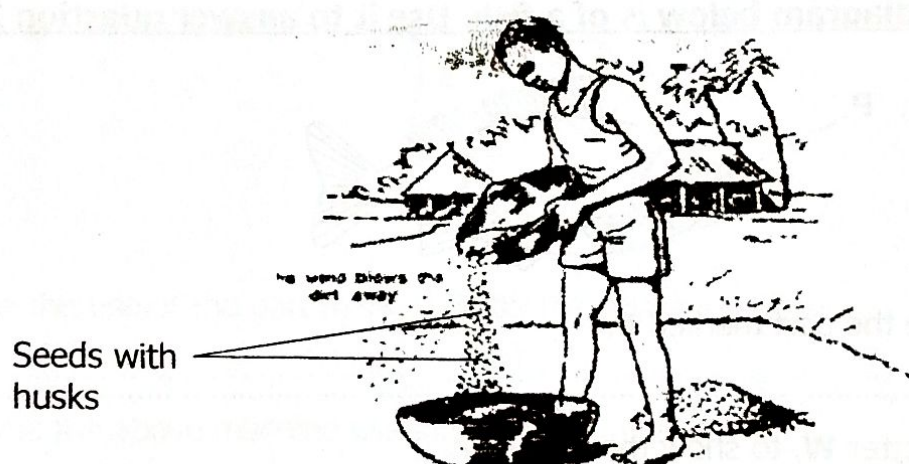
Use the diagram below, to answer questions 5 and 6.



5. Name the thermometric liquid marked with **X**.
.....
6. How is the above instrument useful in a community?
.....
7. In which part of the monocotyledonous seeds is food stored?
.....
8. State any **one** first aid measure for near drowning.
.....
9. Give the role of the medulla in urine formation.
.....

10. Which deficiency disease has the following signs; swollen hands, feet, stomach and soft brown hair?
.....
11. How does the government promote immunization programs?
.....
12. Which method of making alcohol doesn't involve the use of heat?
.....
13. Write down the property of magnets that helps in finding directions.
.....
14. How is a blackjack seed adapted to its way of dispersal?
.....

The diagram below shows an activity in our daily life, use it to answer questions 15 and 16.



15. Which type of weather is suitable for the above activity?
.....
16. State **one** danger of the type of weather mentioned above.
.....
17. Mention **one** sex secondary characteristic which is shared by both boys and girls.
.....
18. State **one** way you can produce static electricity.
.....

19. Give **one** way of controlling rusting of a wheelbarrow.

.....

20. In which way is the trachea important in the respiratory system?

.....

21. How does the stone behave when dropped in a basin of water?

.....

22. Why should water obtained through decantation be boiled before using it to make ORS?

.....

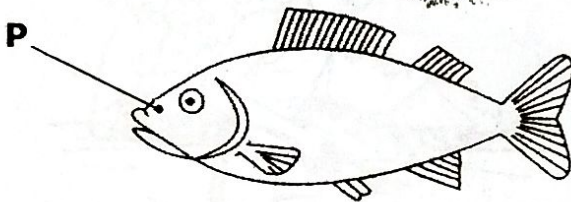
23. Give **one** reason why a rabbit hutch should be kept clean and dry.

.....

24. What prevents formation of a shadow when light strikes clear glass?

.....

The diagram below is of a fish. Use it to answer question 25 and 26.



25. Name the part marked **P**.

.....

26. Use letter **W**, to show the dorsal fin.

.....

27. Name the cattle product that is used in making of shoes, belts and bags.

.....

28. How is the use of ash important in an ECOSAN latrine?

.....

29. State **one** habit that can lead to the spread of diarrheal diseases at home.

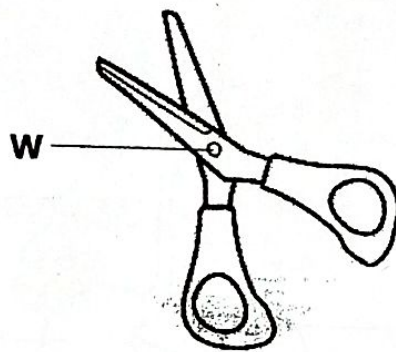
.....

30. Give **one** way of improving soil fertility without using fertilizers.

.....

31. Which principle of PHC can enable poor people to get basic health services in community?
.....
32. How does controlled burning of rubbish reduce the number of houseflies in community?
.....
33. In which condition is a person considered to be vulnerable?
.....
34. Name the structure that controls the movement of blood in the veins.
.....

The diagram below shows a simple machine. Use it to answer questions and 36.



35. State the use of the part marked **W** on the above machine.
.....
36. How is the above machine used in a community?
.....
37. Why is a housefly regarded as an arthropod?
.....
38. Give **one** way plants depend on animals.
.....
39. Why is shearing of sheep done in dry season?
.....
40. Apart from hearing, mention any other use of ears to a person.
.....

SECTION B (60 MARKS)

41. (a) Give the use of the following to a plant.

(i) Root hairs

.....

(ii) Stem

.....

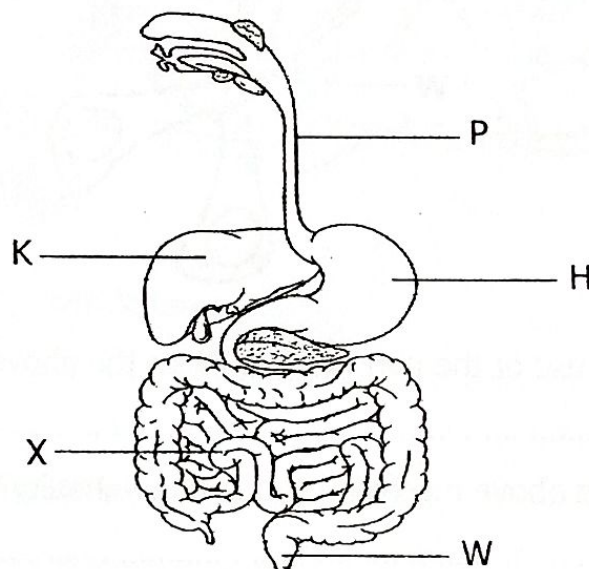
(b) State **one** way plants with weak stems climb others.

.....

(c) Write down **one** reason why plants with weak stems climb others.

.....

42. **The diagram below shows the human digestive system. Use it to answer question 43.**



(a) Name the parts marked **H** and **W**.

(i) **W**

(ii) **H**

(b) What is the importance of part **K** during the process of digestion?

.....

(c) Why is part **X** fairly long?

.....

43. (a) Mention **one** example of a fungus.

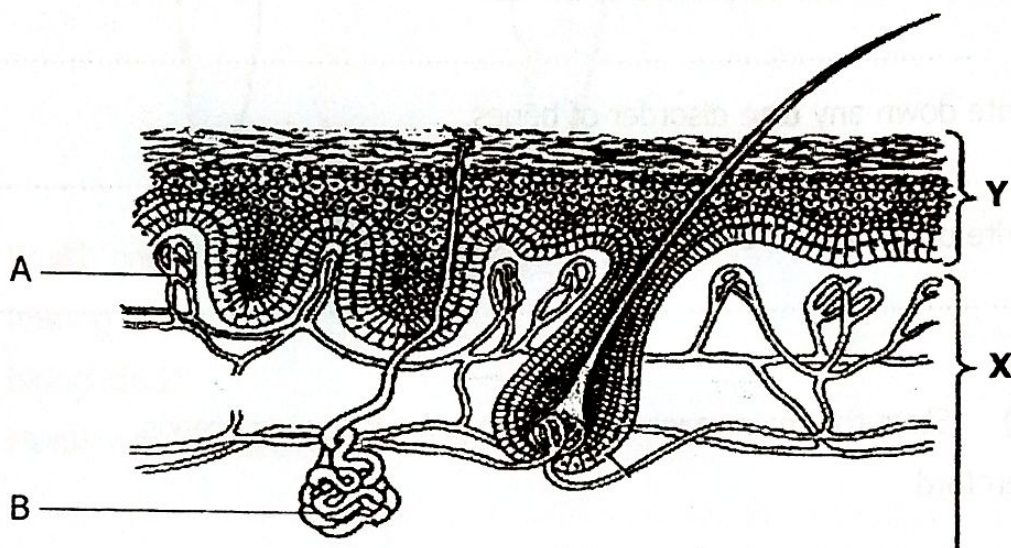
(b) Identify any **two** activities in which man makes use of bacteria.

(i)

(ii)

(c) How are bacteria similar to fungi?

44. The diagram below is of the human skin. Use it to answer questions 46.



(a) Name the parts marked with letters.

(i) **A**

(ii) **X**

(b) What is the function of part **B**?

(c) Give any **one** way of caring for the above organ.

45. (a) Which part of a vacuum flask;

(i) prevents heat loss or gain by conduction?

(ii) prevents matter from entering the vacuum?

(b) Give the use of a vacuum flask in a home.

.....

(c) Why is a vacuum flask not commonly found in most homes?

.....

46. (a) Give **one** example of voluntary muscles.

.....

(b) How are muscles connected to bones?

.....

(c) Write down any **one** disorder of bones.

.....

(d) Write down any **one** use of muscles to the body.

.....

47. (a) State the main reason for keeping the following breeds.

(i) Hereford

.....

(ii) Friesian

.....

(b) Which farm practice enables a farmer to identify;

(i) animals on the farm easily?

.....

(ii) control external parasites?

.....

48. (a) Write down any **one** example of each of the following.

(i) Annual crops

.....

(ii) Perennial crops

.....

(b) How can a farmer care for annual crops in the dry season?

.....

(c) Give **one** advantage of growing annual crops.

.....

49. The diagram below shows type of teeth in human. Use it to answer questions that follow.

Q



T



(a) Which one of the above teeth is used for;

(i) tearing food?

(ii) biting food?

(b) Mention any **one** disorder of the teeth.

.....

(c) State any **one** way of preventing disorders of teeth.

.....

50. (a) What is refraction of light?

.....

(b) What causes refraction of light?

.....

(c) State any **two** effects of refraction in the environment.

(i)

(ii)

51. (a) Which type of bees collects nectar?

.....

(b) Why is honey collected from a modern beehive said to be clean?

.....

(c) Name any **one** enemy of bees.

.....

(d) Give **one** way how a bee farmer can prevent bees from swarming.

.....

52. **Match the following correctly.**

A

Crustaceans

Myriapods

Arachnids

Insect

B

butterfly

lobster

centipedes

spider

(i) Crustaceans

.....

(ii) Myriapods

.....

(iii) Arachnids

.....

(iv) Insect

.....

53. Given the list of organisms below, use it to answer questions that follow;

eagle, grasshopper, cabbage and chicken.

(a) Make a food chain using the organisms above.

.....

(b) Name the producer from the food chain above.

.....

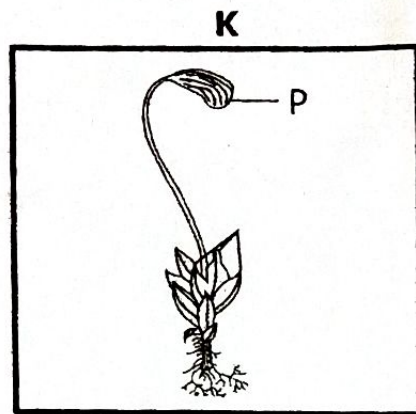
(c) How does an eagle get energy from the grasshopper?

.....

(d) What will happen to the number of eagles if all chicken are killed?

.....

54. The diagrams below are of non – flowering plants. Use them to answer questions that follow.



- (a) Name the plants marked **L**.
.....
- (b) How is part **P** useful to plant **K**?
.....
- (c) Mention any other plant that can be grouped with the above plants.
.....
- (d) How are the above plants in the diagram different from a maize plant in terms of reproduction?
.....
.....
55. (a) State **one** reason why blood flows to the lungs.
.....
- (b) Which characteristic enables the arteries to carry blood with high pressure?
.....
- (c) Name the component of blood which carries digested food and hormones to all body parts.
.....
- (d) How does malaria affect the circulatory system?
.....

END

GOOD LUCK