

NAMAGUNGA PRIMARY BOARDING SCHOOL
PRE- PRIMARY LEAVING EXAMINATION, 2025
INTEGRATED SCIENCE (SET 3)

Time allowed: 2 Hours 15 Minutes

	Random No.	Personal No.
Index No.		

Candidate's Name:

Candidate's Signature:

Stream:

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 **12 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		
TOTAL		

SECTION A

1. Name the part of peanuts that develops into nuts.
.....
2. Give one function of cartilages in the human body.
.....
3. State one way of stopping the noise produced due to friction in the moving parts of a machine.
.....
4. Give one characteristic of simple machines whose mechanical advantage is one.
.....
5. Give one way the human skin is adapted to excretion.
.....
6. Write down any one advantage of coiling the filament of a bulb.
.....
7. Identify any one healthy concern prevented by family planning.
.....
8. Give a reason why artificial insemination is suitable during quarantine.
.....
9. Give a reason why water flows down wards when poured on the ground.
.....
10. State any one importance of expansion as a property of matter in our daily life.
.....

The diagram below shows an example of a lever . Study it and answer the questions 11 and 12.

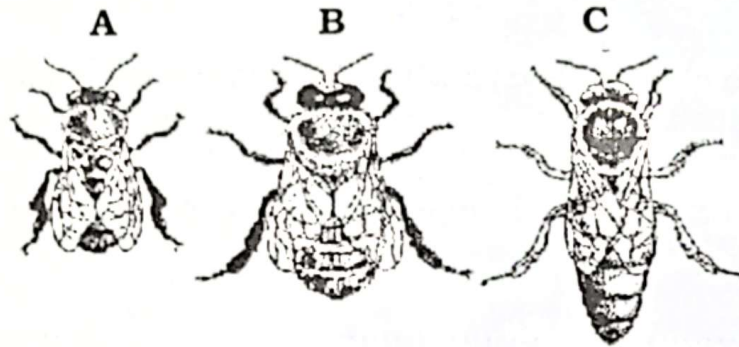


11. Identify the class of levers where the above belongs.
.....
12. Give a reason why the item above is referred to as a simple machine.
.....
13. Explain how the merino sheep help people to manage cold weather.
.....
14. Give one way of preventing obesity among people in the community.
.....
15. State one disadvantages of bad touches among adolescents.
.....
16. Mention one principle of Primary Health Care.
.....
17. Identify one benefit of vanishing the wooden furniture.
.....
18. State one cause of difference in weight among objects in the same distance from the earth.
.....
19. Apart from crop rotation, write other farming practice that starves pests to death.
.....

20. Explain how you can identify the poles of an unlabelled bar magnet.

.....

The diagrams below show three types of bees. Study them and answer the questions 21.



21. State any one similarity between the types of bees **A** and **C**.

22. Give the role of type of bees labeled with letter **B**.

23. Name the process that enables of insects transform from one stage of growth to another.

24. Identify any one use of alcohol as an energy resource.

25. Give a way how regular body checkups are important in maintaining good health.

26. Identify the property of a magnet that enables it to reset an index inside the six's thermometer.

27. Apart from easy identification, give one other benefit of labelling in livestock management.

28. Name the form of current used to produce an electromagnet.

.....

29. Give one use of artificial lenses in improving our sight.

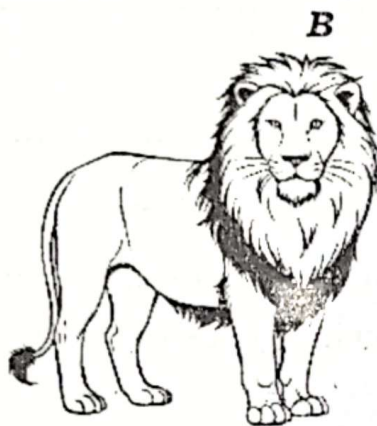
.....

30. State one difference between plants and fungi.

.....

.....

The diagram below shows two animals living in the same environment. Study them and answer the questions that follow.



31. Identify the group of consumers where animal **A** belongs.

.....

32. How does animal **B** regulate the population of **A**.

.....

33. Give any one importance of measuring the amount of rainfall received.

.....

34. Give one way of recycling non-biodegradable wastes in the environment.

.....

35. Mention one effect of lightning in the environment.

.....

36. Give a reason why a person bitten by a poisonous snake is encouraged to calm down.
.....
37. Give any one cause of soil exhaustion.
.....
38. How does the battery cage system allow a poultry farmer to monitor each individual bird.
.....
39. Give one reason why some plants undergo cross pollination.
.....
40. State any one use of sand at a petrol station.
.....
41. a) Define the term steaming up in cattle management.
.....
- b) Give one example for each of the following types of cattle feeds.
(i) Forage
(ii) Concentrates
- c) Give one reason for steaming up a pregnant cow.
.....
42. a) Identify the breathing organ for each of the following organisms.
(i) Sea mammals
(ii) Tad poles
- b) State any two importance of breathing to an organisms.
(i)
(ii)

43. a) Explain the term **energy change**.

.....
.....

b) State the energy change that occurs in each of the following home items when in use.

(i) Electric kettle.....

(ii) Electric bulb

c) Give any one importance of energy changes.

.....

44. **Match each of the invertebrates in list A with the group it belongs to in list B.**

A

Crabs

Octopus

Nematodes

Star fish

B

Molluscs

Worms

Arthropods

Echinoderms

Crustaceans

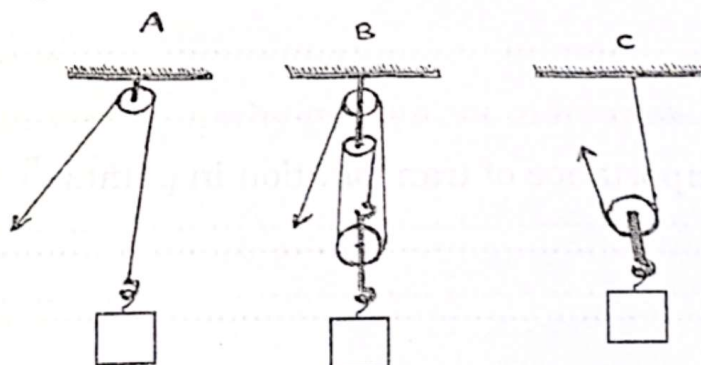
(i) crabs

(ii) Octopus

(iii) Nematodes

(iv) Star fish.....

45. **The diagrams below shows three types of pulley systems. Study them and answer the questions that follow.**



- a) Name the pulley systems **A** and **C**.
- (i) A
- (ii) C
- b) Give one advantage of using pulley system **B** over the rest.
.....
- c) State one way of maintaining the pulley systems above.
.....
46. a) Name the term used to mean **the general cleanliness of our environment**.
.....
- b) Give two benefits of living in a clean environment.
- (i)
- (ii)
- c) State any one way of maintaining the cleanliness of our environment.
.....
47. a) Explain each of the following types of drugs.
- (i) **Narcotic drugs**
.....
- (ii) **Essential drugs**
.....
- b) Give any two ways essential drugs can become harmful to the user.
- (i)
- (ii)
48. Mention two importance of transpiration in plants.
- (i)
- (ii)

b) State any one way how each of the following factors influences the transpiration rate in plants.

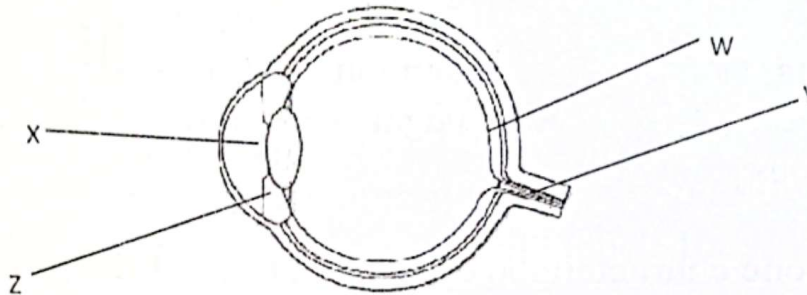
(i) Humidity

.....

(ii) Wind

.....

49. **The diagram below show some parts of the human eye. Study it and answer the questions that follow.**



a) Name parts **X** and **Y**

(i) **X** (ii) **Y**

b) How does part **Z** protect the eye against too much light?

.....
.....

c) Give one reason why an image sometimes fails to form at part **W**.

.....
.....

50. a) Apart from gulley erosion, give two other types of soil erosion related to rainfall.

.....
.....

b) Give a reason why gulleys are more created along slopes than on flat land.

.....
.....

c) State one way of overcoming soil erosion in sloppy areas.

.....
.....

51. The lists **A** and **B** represent two types of crop. Study them and answer the questions that follow.

A

Beans

Ground nuts

Maize

Irish potatoes

B

Coffee

banana

Sugar cane

a) Identify one characteristic of crops in each of the groups **A** and **B**.

(i) A

(ii) B

b) Mention any one more crop that can be included on list **B**.

.....

c) Give one reason why crops in list **A** can allow the farmer to practice crop rotation.

.....

52. a) Apart from food, mention two other basic needs of man.

(i)

(ii)

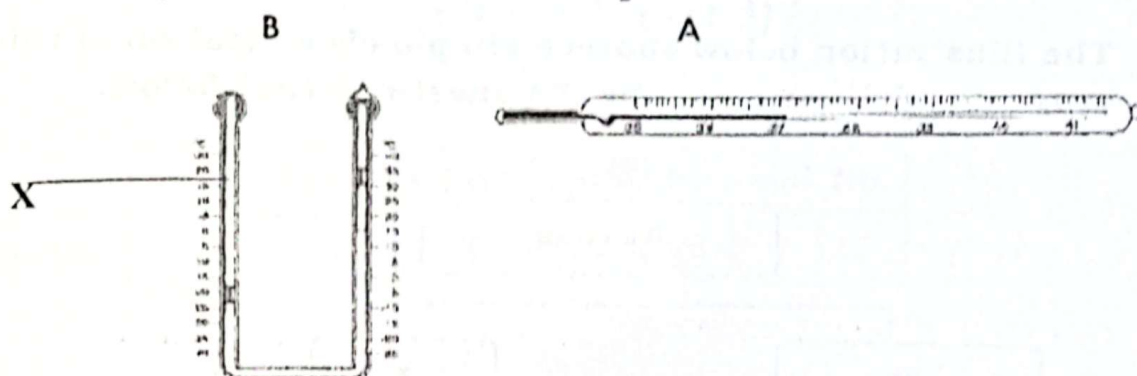
b) Give one reason why food is considered a basic need.

.....

c) State one way of managing food in the community.

.....

53. The diagrams below shows two types of thermometers. Study them and answer the questions that follow.



a) Name the type of thermometer **A**.

.....

b) Identify the thermometric liquid labeled **X**.

.....

c) State any one difference between the two types of thermometers in terms of:-

(i) Use

.....

.....

(ii) Resetting after use

.....

.....

54. a) Apart from carbon dioxide, give two other gases that form air in the environment.

(i) (ii).....

b) State any one use of carbon dioxide in each of the following situations.

(i) Food management

.....

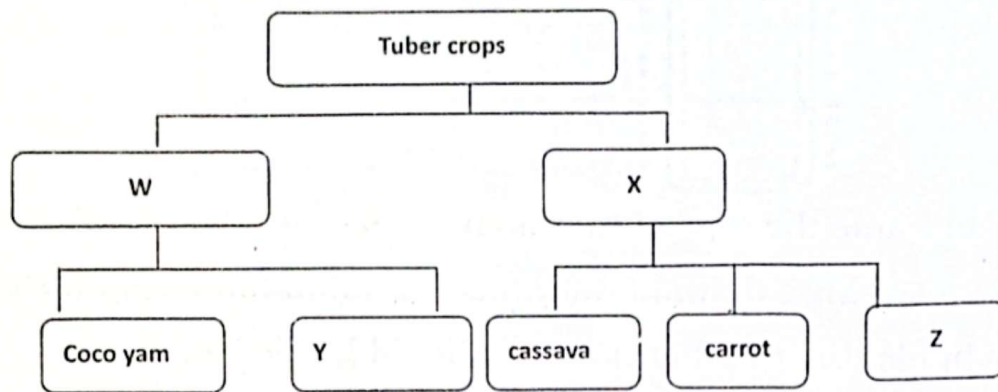
.....

(ii) Fire management

.....

.....

55. The illustration below shows a simple classification of tuber crops. Study it and answer the questions that follow.



a) Name each of the groups of tuber crops **W** and **X**.

(i) W.....

(ii) X

b) Identify any one example of crops represented by letters **Y** and **Z**.

(i) Y

(ii) Z

End