

ST. FRANCIS DAY & BOARDING PRIMARY SCHOOL, NTINDA

PRE – P.L.E EXAMINATION (SET 1), 2022

PRIMARY SEVEN

INTEGRATED SCIENCE

Duration: 2 Hours 15 Minutes

NAME: _____ STREAM: _____

INDEX NO.

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FOR EXAMINER'S USE ONLY

Sections	Marks	Marks scored (%)
A	40	
B	60	
Total	100	

**DO NOT OPEN THIS BOOK LET UNTIL
YOU ARE TOLD TO DO SO.**

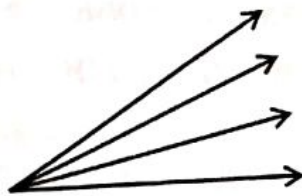
Read the following instructions carefully:

1. The paper has **two** sections: Section A and B.
2. Section A has **40** short questions (40 Marks).
3. Section B has **15** questions (60 marks).
4. Attempt **ALL** questions. All answers to both section A and B **MUST** be written in the spaces provided.
5. All answers must be written using **BLUE** or **BLACK** ball-point pen or ink. Only diagrams and graph work may be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read will lead to loss of marks.
8. Do not fill anything in the boxes indicated for examiners' use only.

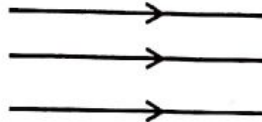
SECTION A (40 MARKS)

1. Name the part of air that supports burning.
.....
2. State **one** way of controlling poultry vices.
.....
3. Which invertebrate helps in aerating the soil?
.....
4. Name the part of a stem that develops into a branch.
.....
5. What role do worker bees play in a hive?
.....

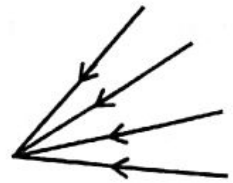
The diagram below shows beams of light. Use it to answer questions 6 and 7.



W



X

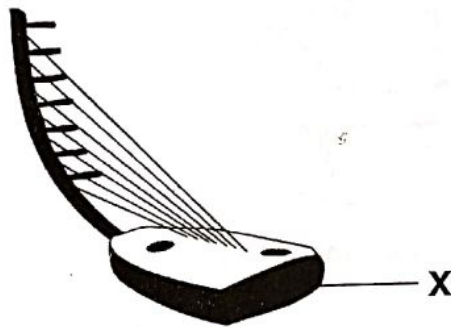


Y

6. Name beam marked **X**.
.....
7. State **one** item that produces the beam marked **W**.
.....
8. How does health immunization card help a medical worker?
.....
9. Give **one** example of a crop that is harvested once.
.....
10. State any **one** danger of poor body posture.
.....
11. In which **one** way is saliva useful during digestion?
.....

12. Why is bush burning as a method of clearing land discouraged in crop growing?
.....
13. State **one** weather change that affects the environment negatively.
.....
14. Give **one** factor medical workers consider before prescribing a drug.
.....
15. Which component of soil is formed as a result of bacteria working on organic matter?
.....

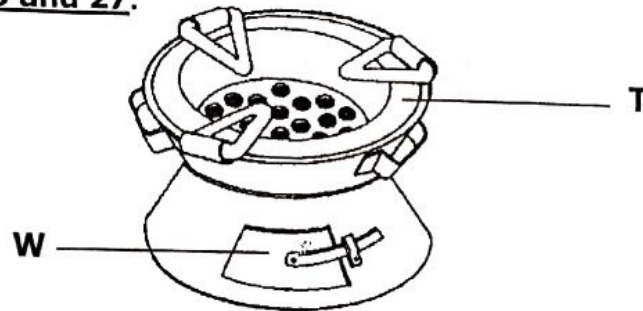
The diagram below is a musical instrument. Use it to answer questions 16 and 17.



16. Under what group of musical instruments is the one drawn above?
.....
17. How is part marked **X** important when playing the instrument?
.....
18. State the type of static electricity in nature.
.....
19. Give **one** way our teeth can be kept in a good working condition.
.....
20. How is the anemometer important on a weather station?
.....
21. Give **one** natural method of family planning.
.....
22. Apart from cooking, state any other way man can make good use of heat energy.
.....
23. Which property of magnets enables travellers to locate directions?
.....

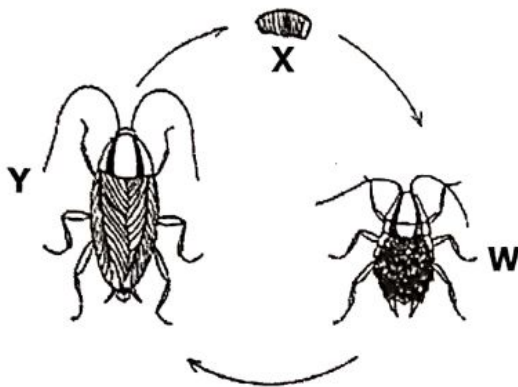
24. In which way is the reproduction of a mushroom different from that of yeast?
.....
.....
25. State the method of harvesting tree that prevents a standing tree from continuing to grow up.
.....
.....

The diagram below shows an improved charcoal stove. Use it to answer questions 26 and 27.



26. Which material is used to make part marked T?
.....
.....
27. Why is it necessary to raise the legs of a fainted person when administering first aid?
.....
.....
28. How does the dispersal of seeds control the extinction of plants?
.....
.....
29. State **one** method that can be used to conserve plants as a resource.
.....
.....
30. Give **one** reason as to why we should clean our bodies.
.....
.....
31. Mention any **one** factor that can cause bottle feeding in children.
.....
.....
32. Give **one** reason why newly born babies cry.
.....
.....
33. How is the breathing out important to man?
.....
.....
34. In which way does a single movable pulley simplify work?
.....
.....

The diagram below shows the life cycle of an insect. Study and use it to answer questions 35 and 36.



35. Name stage marked **W**.

.....

36. Why is such an insect hard to control at stage marked **X**?

.....

37. What role do the ventilators play on a living house?

.....

38. Name the force that does not allow objects to settle in air.

.....

39. What happens to the volume of water when it is frozen?

.....

40. Why is it not advisable to put out petrol fire using water?

.....

SECTION B (60 MARKS)

41. (a) Where does pollination take place on a flower?

.....

(b) Mention **one** agent of pollination.

.....

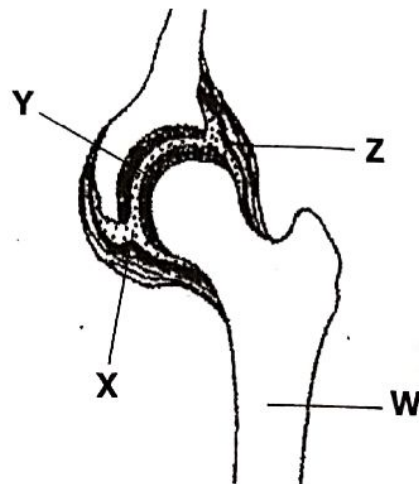
(c) State the type of pollination that takes place between two flowers on the same plant.

.....

(d) What happens to the ovules after fertilization?

.....

42. The diagram below shows a joint. Study and use it to answer the question about it.



- (a) Name the type of movable joint shown above.
.....
- (b) How is part marked **Z** important at a joint?
.....
- (c) Mention **one** place on the body where such a joint can be found.
.....
- (d) In which way is the function of part marked **X** similar to that of part marked **Y**?
.....
43. (a) Give **two** reasons why people keep goats.
(i)
(ii)
- (b) Mention **one** problem faced by farmers who rear goats in Uganda.
.....
- (c) Single out **one** disease that attacks cattle.
.....
44. (a) Write VIP in full.
.....
- (b) State **one** way the cleanliness of a VIP latrine can be maintained.
.....
- (c) Why is it not necessary to smoke a VIP latrine?
.....

- (d) Apart from pit latrines mention any other type of latrine.

.....

45. (a) State **two** elements of PHC.

(i)

(ii)

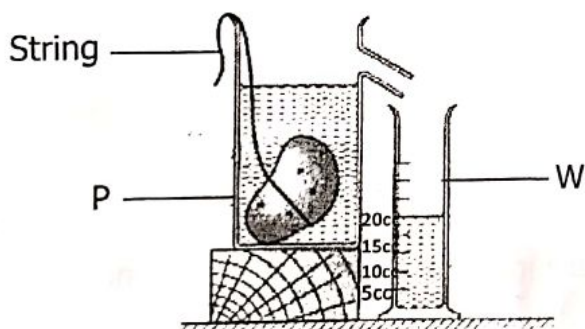
- (b) Mention **one** way PHC can be important in a community.

.....

- (c) Identify **one** principle of PHC.

.....

46. The diagram below shows an experiment that was carried out. Use it to answer the questions about it.



- (a) What was the experiment about?

.....

- (b) Name container marked **P**.

.....

- (c) How was the string important in the experiment?

.....

- (d) What does water in container marked **W** represent?

.....

47. (a) State **one** characteristic of mammals.

.....

- (b) Under what group of mammals is a bush baby?
.....
- (c) Why are mammals like lions commonly seen in grasslands yet they don't eat vegetation?
.....
- (d) State **one** way a lion is adapted to its mode of feeding.
.....

48. (a) Who is an adolescent?
.....

(b) State **two** secondary sex characteristics that are common to both boys and girls.

(i)

(ii)

(c) Mention **one** way adolescents can be a problem to their parents.
.....

49. (a) By what process are the nimbus clouds formed?
.....

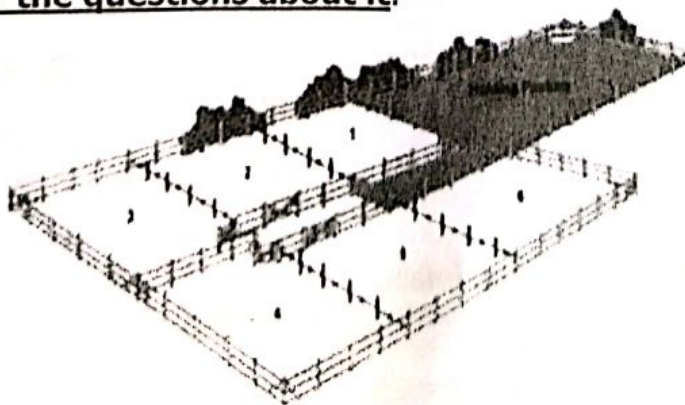
(b) Mention **two** ways nimbus clouds are important to the environment.

(i)

(ii)

(c) Give **one** effect of weather changes to the environment.
.....

50. The diagram below shows a method of grazing cattle. Study and use it to answer the questions about it.



(a) Name the method of grazing cattle.

.....

(b) State **two** advantages of using such a method of grazing cattle.

(i)

(ii)

(c) Mention **one** problem faced by the cattle keepers in Uganda.

.....

51. (a) Give **two** ways man can use wind as an energy resource.

(i)

(ii)

(b) State **two** ways wind can be dangerous in the environment.

(i)

(ii)

52. **Match the items in list A with those in list B correctly.**

List A	List B
Inclined plane	Door knob
Wheel and axle	Nail
Screw	Plank
Wedge	Brace

(a) Inclined plane

(b) Wheel and axle

(c) Screw

(d) Wedge

53. (a) Apart from freezing, mention any other method that can be used to preserve food.

.....

(b) How does freezing preserve food?

.....

(c) Why is it necessary to preserve food?
.....

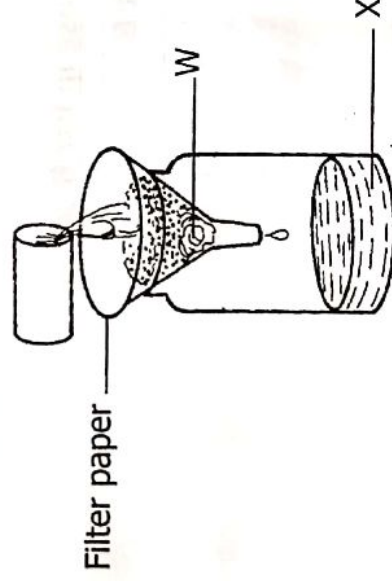
54. (a) Mention any **one** type of soil erosion.
.....

(b) State **one** agent of soil erosion.
.....

(c) How does bush burning cause soil erosion?
.....

(d) Besides mulching, state any other method that can be used to control soil erosion.
.....

55. The diagram below show a method of separating mixtures. Study and use it to answer questions about it.



(a) State the method of separating mixtures that was used.
.....

(b) Name substances marked **W** and **X** after the process.
.....

(i) **W**

(ii) **X**

(c) Why is substance marked **X** not safe for drinking when the above method is used to make water clean?
.....

END

GOOD LUCK