



BETTER EDUCATIONAL CONSULTANCY

PRE-PRIMARY LEAVING EXAMINATION

SET ONE, 2022

SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Random No.

District ID:

Read the following instructions carefully:

1. Do not write your **school** of **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.
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 easily read 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	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION A: (40 marks)

1. Name the weather condition that help farmers to winnow seeds.

2. Give the use of a bathing sponge when bathing.

3. Besides weeding, state one other way of caring for crops.

4. Give one cause of seed dormancy.

5. How does light travel?

6. Name one bacterial disease in poultry.

7. How can the spread of typhoid be controlled in a home?

8. Give one factor that can cause weathering

9. How does freezing help to preserve food for a long time?

10. State one way the Ileum is adapted to absorption of digested food.

The diagram shows a type of seed. Use it to answer questions 11 and 12.



11. Name the seed shown in the diagram.

12. Why is the seed above dispersed by animals?

13. Name one material commonly used to make cooking utensils.

14. State one difference between perennial and annual crops.

15. Give one breed of rabbits kept by farmers in Uganda.

16. State one characteristics of renewable resources in the environment.

17. In which way is prolonged breast feeding beneficial to a breast feeding mother.

18. Give one danger of eating meat that is not fully cooked.

19. State one way children can avoid accidents on their way to school.

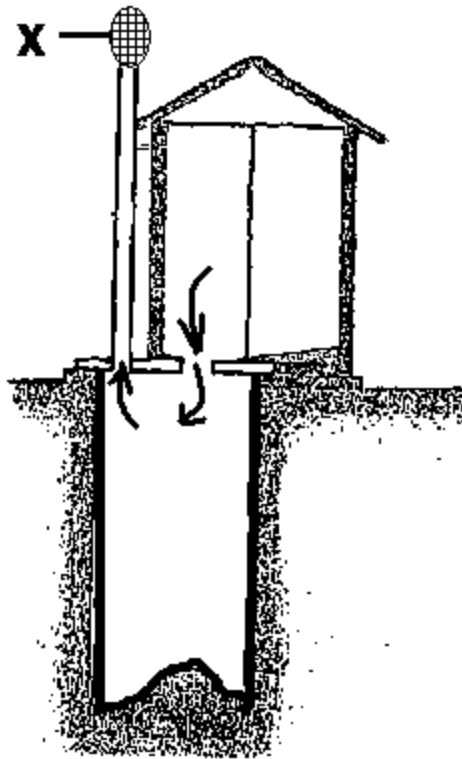
The diagram below is of a mushroom. Use it to answer questions 20 and 21.



20. How is part marked D
- _____

21. Give one example of an organism that belongs to the same group as mushrooms.
-
22. What vector spreads East coast fever to cattle?
-
23. How is frequency different from volume as used in sound?
-
24. Name one sexual deviation practiced in the community.
-
25. State the method that can be used to identify health problems in the community.
-
26. How does the use of bio gas as a source of energy conserve forests?
-
27. Give one way preventing the spread of germs by fingers.
-
28. Name the vector that spreads bilharziasis to man.
-
29. How is a pivot joint useful in the body?
-
30. Why is a spider different from a bee?
-
31. How is the cochlea useful in the human ear?
-
32. Why is rusting of iron similar to burning?
-
33. Name the part of the human eye that is similar in function to the diaphragm in the camera.
-

The diagram below is of a VIP latrine. Use it to answer questions 34 and 35.



34. Give the function of part labeled X.

35. Why shouldn't a VIP latrine have a lid for the hole?

36. State one way animals depend on plants apart from getting food.

37. Give one danger of smoking to a pregnant mother.

38. Write down one PIASCY message that creates awareness among adolescents about AIDS.

39. How does man use a ladder to simplify his work?

40. Give one advantage of tethering as a method of rearing cattle.

SECTION B

41. Below are components of a food chain. Use it to answer the questions that follow.

Grass → grasshoppers → chicken → cats → Bacteria

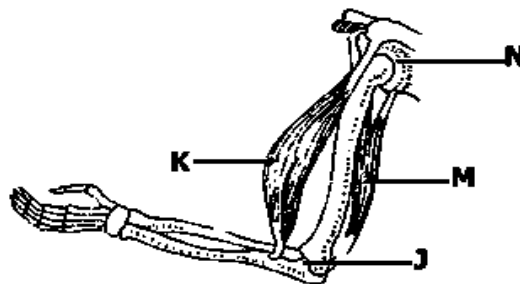
(a) Name the primary consumer in the list.

(b) Why are bacteria referred to as decomposers in the food chain?

(c) The sun is the main source of energy in the environment, how do grasshoppers get energy from the sun?

(d) State one way grass benefits from chicken.

42. **Study the diagram below showing the muscular system and use it to answer the following questions.**



(a) Name the muscle labeled K.

(b) What happens to muscle M when the arm is straightened?

(c) How is joint labeled N different from joint labeled J?

(d) State one disease that attacks the muscular system.

43(a) How is charcoal made?

- (b) Give one danger of charcoal making to animals?

- (c) Besides charcoal making, give another human activity that destroys forests.

- (d) Write down one method of conserving trees.

44. **The diagram below shows a lens.**



- (a) Name the lens shown.

- (b) State one use of the above lens.

- (c) Why are people able to see through clear glass?

- (d) How is the aperture in a camera similar to the pupil in the eye?

45(a) Name the force applied on a lever to overcome the load.

- (b) Why is a wheel barrow grouped under second class lever?

- (c) State the force that reduces the efficiency of a wheel barrow.

- (d) Give one way the user of a wheelbarrow can reduce such a force.

46. Match items in list A to those in list B.

List A

Black fly

Lice

Rat fleas

Mad dog

List B.

Bubonic plague

River blindness

Rabies

Relapsing fever

List A

List B

(i) Black fly_____

(ii) Lice_____

(iii) Rat fleas_____

(iv) Mad dog_____

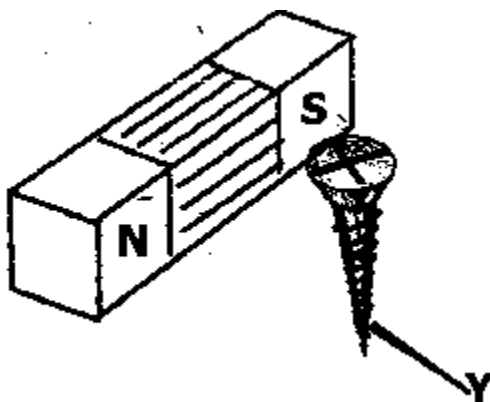
47.a) Give one breed of cattle kept in Uganda for beef.

(b) State one characteristic of the breed mentioned in (a) above.

(c) How does paddock system of grazing control ticks in cattle?

(d) Write down one disadvantage of using paddock system of grazing cattle.

48. **The diagram below shows a method of making a magnet. Use it to answer questions about it.**



(a) Name the Magnet made as shown in the diagram above.

(b) What pole of a magnet will be formed at point Y?

(c) How can the magnets made as above be made stronger?

(d) Why shouldn't a permanent magnet be heated until it becomes red hot?

49.(a) What type of immunity is acquired after recovering from a disease?

(b) Name the disease all girls of child bearing age are immunized against.

(c) Give two signs of measles infection in children.

(i)

(ii)

50(a) State the cause of fainting.

(b) Why should tight clothes be removed from the body of a person who has fainted?

(c) Give the importance of putting a hard object in the mouth of a person who is convulsing.

(d) What first aid is given to a victim with fever?

51. **The diagram below is of a blood vessel. Use it to answer questions about it.**



- (a) Name the blood vessel shown in the diagram above.

- (b) Give the function of structure marked Z.

- (c) Why are pregnant mothers advised to eat foods rich in iron?

- (d) How is blood useful in the human body?

- 52 (a) Name two farming practices that conserve soil.

(i)

(ii)

- (b) State one cause of soil erosion.

- (c) How does soil erosion cause soil exhaustion?

- 53 (a) How is drug abuse different from drug misuse?

- (b) Name one commonly abused drug in the community.

(c) How is drug misuse a danger to the body?

(d) Why should drugs be kept away from moisture?

54. **The diagram below is of an Irish potato. Use it to answer questions about it.**



(a) Name part labeled S.

(b) Give the function of part labeled Q

(c) Why is an Irish potato grouped under stem tubers?

(d) How is the propagation of Irish potatoes different from sweet potatoes?

55(a) How is a snake similar to a dog in terms of reproduction?

(b) Name the group of mammals to which a whale belongs.

(c) How is a lion adapted to feeding on flesh?

(d) Give the importance of scavengers in the environment.
