



# BETTER EDUCATIONAL CONSULTANCY

## PRE-PRIMARY LEAVING EXAMINATION

SET FOUR, 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:**

1. Which part of the human body is used to identify the smell of food being cooked?  
\_\_\_\_\_
2. How is a poisonous snake able to defend itself?  
\_\_\_\_\_
3. Why is proper disposal of rubbish important in a home?  
\_\_\_\_\_
4. Why should a farmer keep weather records?  
\_\_\_\_\_
5. State one habit a family can practice in order to ensure hygiene in a home.  
\_\_\_\_\_
6. How do lorry drivers benefit from crop farming activities?  
\_\_\_\_\_
7. Name one effect of sunshine to the animals in the environment.  
\_\_\_\_\_
8. Why is it advisable to use shiny roofing iron sheets in Uganda than using dull coloured ones?  
\_\_\_\_\_

**The diagram shows a practice done during tomato growing.**



9. Give one reason why such a practice is done.  
\_\_\_\_\_

10. Give one way through which one can become a member of a particular family.

---

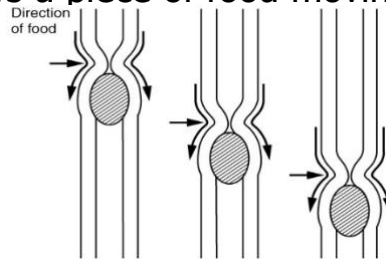
11. Why is artificial incubation preferred by commercial farmers?

---

12. Which vaccine is given to babies to protect them against tetanus?

---

The diagram shows a piece of food moving through the gullet.



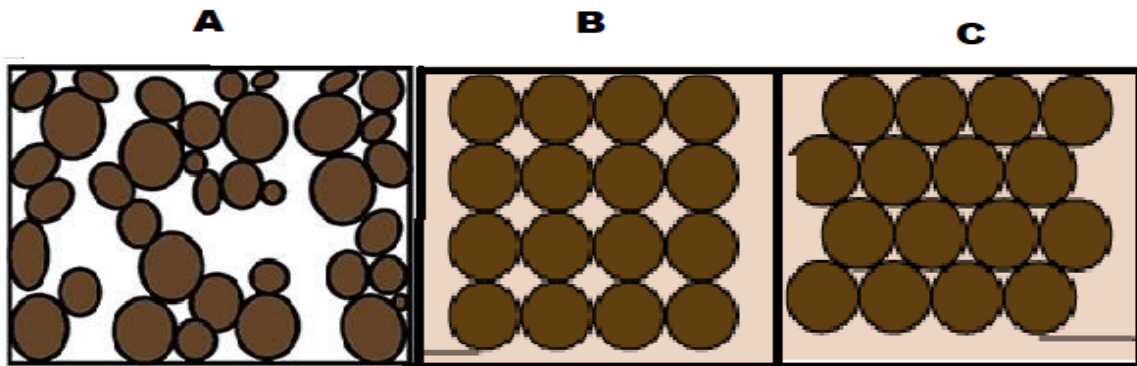
13. By what process does the above piece of food move downwards to the stomach?

---

14. State one factor that may make the food to fail to move down wards to the stomach.

---

**The diagram shows particles of different soil samples.**



15. Give one reason why soil sample B is highly used for crop growing.

---

16. How do the constructors of houses make it possible for convection to take place in the house?

---

17. State one importance of root tuber crops to a farmer?

---

18. If you were elected in the position of a health prefect, how can you ensure proper waste management in the school?

---

19. Which item is used by health workers and parents to record data when monitoring the changes that take place in babies?

---

20. How can the parents ensure child spacing in their family?

---

21. Which method of waste management is shown in the diagram?



---

22. How can the people constructing public buildings help people with disabilities to reach high raised places in a building?

---

23. Name one pollinating agent.

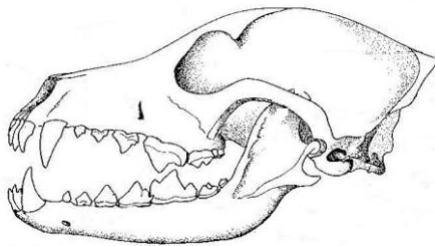
---

24. Why should a farmer maintain his garden tools in a proper working conditions?

---

25. How can the heavy rains be dangerous to crop farmers?  
\_\_\_\_\_
26. State one process that takes place during the water cycle.  
\_\_\_\_\_
27. Besides bathing, state one activity that can be done to maintain personal hygiene?  
\_\_\_\_\_
28. State one parasite that may infect people who do not practice proper hygiene.  
\_\_\_\_\_
29. What is food?  
\_\_\_\_\_
30. Name one activity that can be done to maintain food hygiene.  
\_\_\_\_\_
31. Besides the toothpaste, state one material that can be used to clean the teeth.  
\_\_\_\_\_

The diagram shows a jaw of a mammal.



32. Name the group of mammals the animal with such a jaw belong.  
\_\_\_\_\_
33. How are the insulators of electricity useful in our daily life?  
\_\_\_\_\_
34. Which apparatus do the tailors use to measure the size of your waist?  
\_\_\_\_\_

35. State one group of people who are at the highest risk of contracting COVID-19 disease.

---

36. State the difference between monocotyledonous and dicotyledonous seeds.

---

37. Give any one reason why mothers are advised to go for antenatal care when pregnant.

---

38. Apart from poor sanitation mention any one cause of sickness in a home.

---

39. State any one method used to store sound.

---

40. State one factor considered when selecting a site for a living house.

---

### **SECTION B**

41.(a) What is Smoking?

---

(b) Give any one reason why people smoke tobacco.

---

(c) State any one health effect of smoking on an individual.

---

(d) How can you help an addicted friend to stop smoking?

---

42.(a) State the difference between germs and diseases.

---

---

(b) State two common entry points for COVID-19 germs into our body.

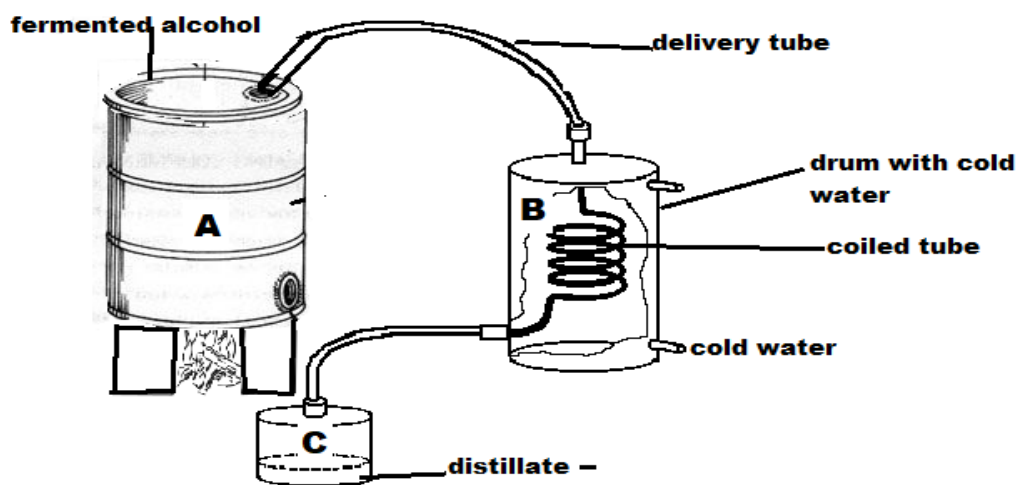
i. \_\_\_\_\_

ii. \_\_\_\_\_

(c) How is the proper and regular putting on masks help to control infection against COVID-19?

\_\_\_\_\_

43. The diagram below represents a method of Alcohol production.



(a) Name the process taking place at A.

\_\_\_\_\_

(b) How does heat reach the fermented alcohol in container A?

\_\_\_\_\_

(c) At what temperatures does the alcohol in A start evaporating?

\_\_\_\_\_

(d) Of which use towards health is product got from the above method of making alcohol?

\_\_\_\_\_

44.(a) How do animals benefit from plants during photosynthesis.

\_\_\_\_\_

(b) Which food is made by plants during photosynthesis?

---

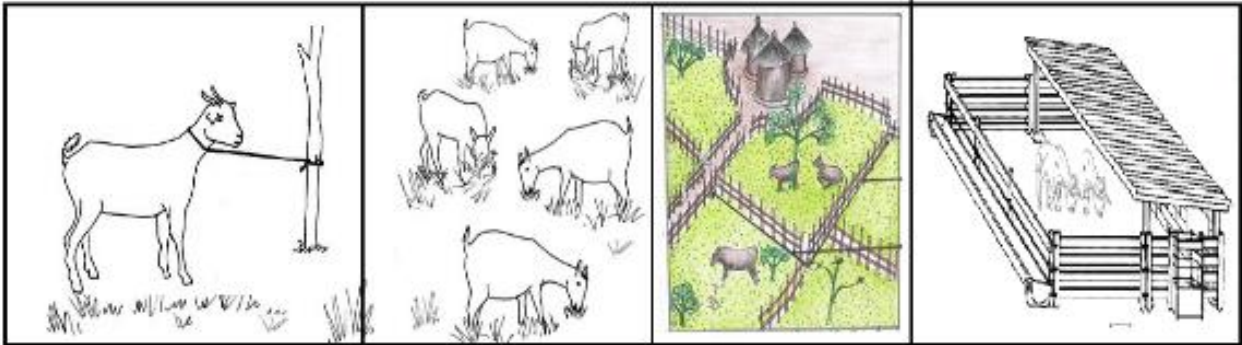
(c) Name one raw material for photosynthesis.

---

(d) In what part of a plant does photosynthesis mostly take place?

---

45.



A

B

C

D

(a) What is livestock farming?

---

(b) Which of the above methods of grazing would you recommend for the urban farmers?

---

(c) Give reason for your answer.

---

(d) Which poultry keeping system can be compared to method D?

---

46.(a) What are weeds?

---

(b) State one effect of weeds to crops.

---

(c) How are the weeds important to a farmer?

---



(d) Write down any one method of controlling weeds.

---

47.(a) What is PIASCY in full?

---

(b) Write down two PIASCY messages that may help to control AIDS.

i. 

---

ii. 

---

(c) Name any one activity done by the teacher to guard against the spread of AIDS in the community.

---

48.(a) Apart from the sun, give any one example of a renewable resource.

---

(b) Why is it important to conserve resources in the environment?

---

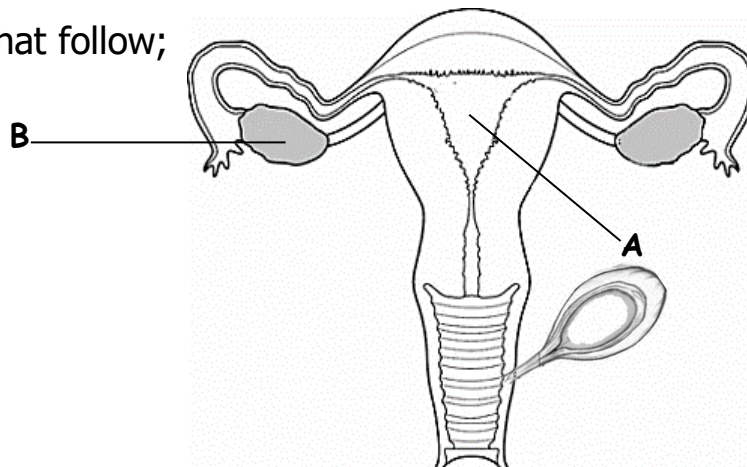
(c) Give one resource that helps to provide fuel to people.

---

(d) Name one organization that helps to conserve resources in Uganda.

---

49. The diagram below shows a human reproductive system. Study it to answer the questions that follow;



(a) Name part marked A?

---

(b) How is part B useful in the process of reproduction?

---

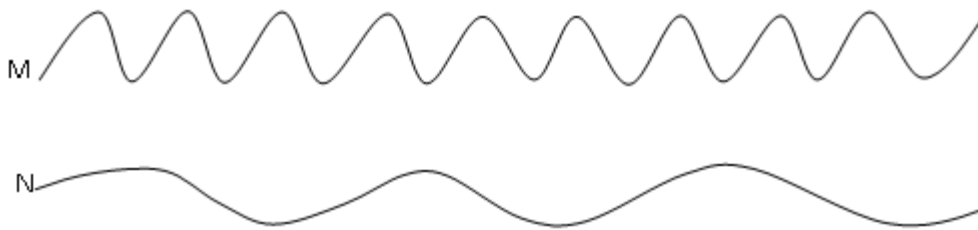
(c) Name one disease that affects the above system.

---

(d) Which sign in our daily life shows that the above organ is ready for reproduction.

---

50. The diagram below shows the movement of sound. Use it to answer questions that follow.



(a) How is the frequency of sound marked **M** different from that of sound wave **N**?

---

(b) What causes the sound waves during sound production?

---

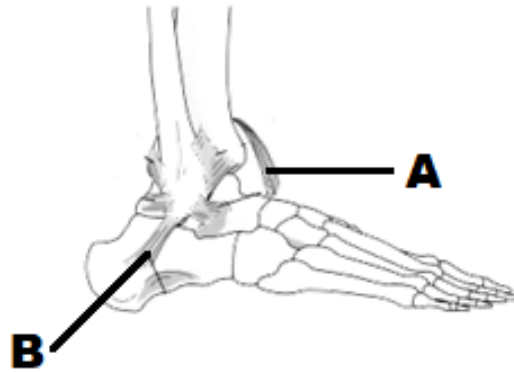
(c) How can the frequency of the guitar string be increased?

---

(d) Give one economic importance of sound in our daily life.

---

51. The diagram below shows part of human skeleton found on the leg. Use it to answer questions that follow;



- (a) Give the use of part A in the system.
- 
- (b) To what group of bones is the bone marked B above?
- 
- (c) How are the bones prevented from wearing out due to friction at the joint shown?
- 
- (d) Obuni's structure A got overstretched. What injury did he get?
- 

- 52.(a) Name one health habit for the family that promotes oral health.

---

- (b) State one item that is used to promote the habit.

---

- (c) State two roles of children in a family in promoting health.

i. 

---

ii. 

---

- 53.(a) State one reason why the sun is useful during rain formation.

---

(b) Which process helps in the formation of clouds?

---

(c) How does sunny weather help crop farmers to carry out their activities?

---

(d) Mention one element of weather.

---

54.(a) Name one renewable source of energy for generating electricity.

---

(b) How are the electric charges moved from the source to the appliance where it is used?

---

(c) Why is it advisable to install lightning conductors on buildings?

---

(d) How are the magnets used in the electricity production?

---

55. Draw a tilapia fish and name the following parts.

**Nostrils, scales, lateral line, dorsal fin.**