



BETTER EDUCATIONAL CONSULTANCY

PRE-PRIMARY LEAVING EXAMINATION

SET TWO, 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** 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.
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		

©2022 Better Educational Consultancy

Tel: 0779101164, 0750558616, 0706602422, 0775157214.

Turn over

SECTION A: (40 marks)

1. Name one component of soil.

2. State any one characteristic of insects.

3. Which vector spreads yellow fever to people?

4. Which part of the body do people use for smelling?

5. Give a reason why it is difficult to find the volume of a stone using the formula $L \times W \times H$?

6. State any one physical process which occurs in a water cycle.

7. Give any one example of a tuber crop.

8. How can a pregnant woman avoid giving birth to a baby with weak bones?

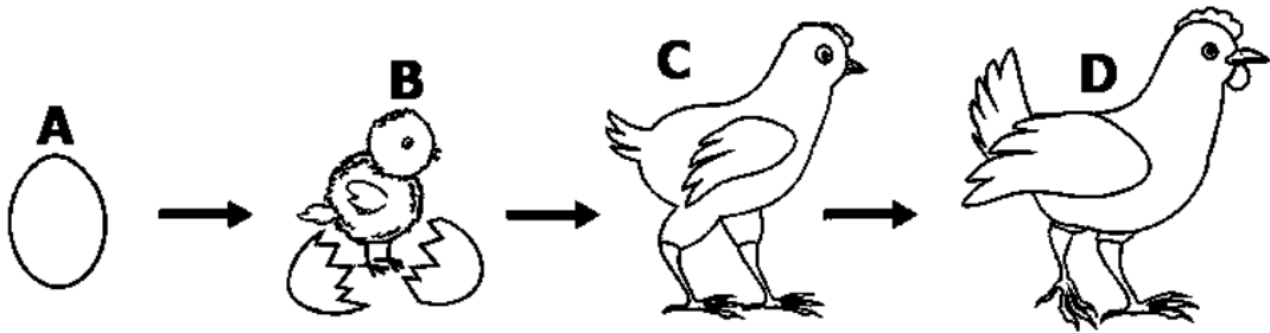
9. Write down one way in which people use animals in their communities.

10. How is the item below useful in promoting sanitation at home?



11. State one way of preventing tooth decay.

The diagram below shows a type of change which occurs in living things. Study it to answer questions 12 and 13.



12. Which type of change is shown in the diagram above?

13. State the result of the type of change in the diagram.

14. Give one way in which a farmer uses a forked hoe.

15. How does mulching help to control growth of weeds in the garden?

16. Give a reason why it is important to wash hands before preparing food.

17. Name one part of the small intestines.

18. Give one way in which echoes are controlled in cinema halls.

19. How does too much sunshine affect food production in a community?

20. Apart from Cornish white, name any one other exotic breed of chicken kept for meat.

21. How do farmers protect rabbits from being attacked by dogs?

22. State the way in which red blood cells are able to transport oxygen around the body.

23. What is the importance of covering electric wires with plastic materials?

24. Name one disease protected against using DPT vaccine.

25. State one use of bee propolis to people.

26. Give a reason why COVID-19 patients are treated in isolation.

27. Write down any one form of energy produced by water at 100°C.

28. State one way in which gulleys created in the school compound can be prevented.

29. Which diseases in rabbits has the following signs;
wounds in the ears and ears bend downwards?

30. In which way is the sun a useful resource to people?

31. Give one example of a diarrhoeal disease.

Use the diagram of a musical instrument below to answer question 32.



32. How does the instrument in the diagram produce sound?

The diagram below shows hot milk that was poured into two different containers W and P. Study it and use it to answer questions 33 and 34.



33. In which of the containers did the milk cool first?
- _____
34. Give a reason why the milk in the two containers did not cool at the same time.
- _____
35. How do energy saving charcoal stoves help to conserve trees in the environment?
- _____
36. How can the breeding of poor quality animals be controlled on a goats farm?
- _____
37. Why should a victim of a third degree burn be encouraged to drink a lot of fluids?
- _____
38. Which group of non-flowering plants use seeds for reproduction?
- _____
39. Which element of Primary Health Care helps to check the size of a family?
- _____
40. Give one way in which animals as resources can be cared for at home.

Section B

41(a) Name the component of air which is;

(i) a waste product of respiration_____

(ii) needed for respiration_____

(b) State where each of the following processes take place in the human body.

(i) gaseous exchange_____

(ii) breathing_____

42(a) Apart from fermentation, state the other process of making alcohol.

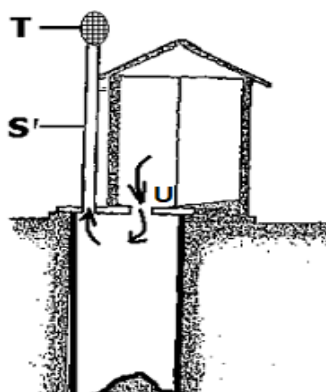
(b) Write down any one source of sugar in the process of fermentation.

(c) Name two body organs which are damaged by excessive taking of alcohol.

(i) _____

(ii) _____

43. The diagram below shows a VIP latrine. Study it and answer questions that follow.



(a) Name the part labelled S and T.

(i) S _____

(ii) T _____

(b) Give a reason why part U does not have a lid (cover).

(c) How is the air inside the pit able to move out through part S?

44. In the table below, part A shows terms used in simple machines and part B has the meaning of the terms.

A

B

effort

the ration of the load to the effort.

fulcrum

distance between the pivot and the load. mechanical

advantage

force applied to overcome the load on a
machine.

load arm

turning point of a machine.

(i) effort_____

(ii) fulcrum_____

(iii) mechanical advantage_____

(iv) load arm_____

45(a) Name the part of the female reproductive system where fertilization takes place.

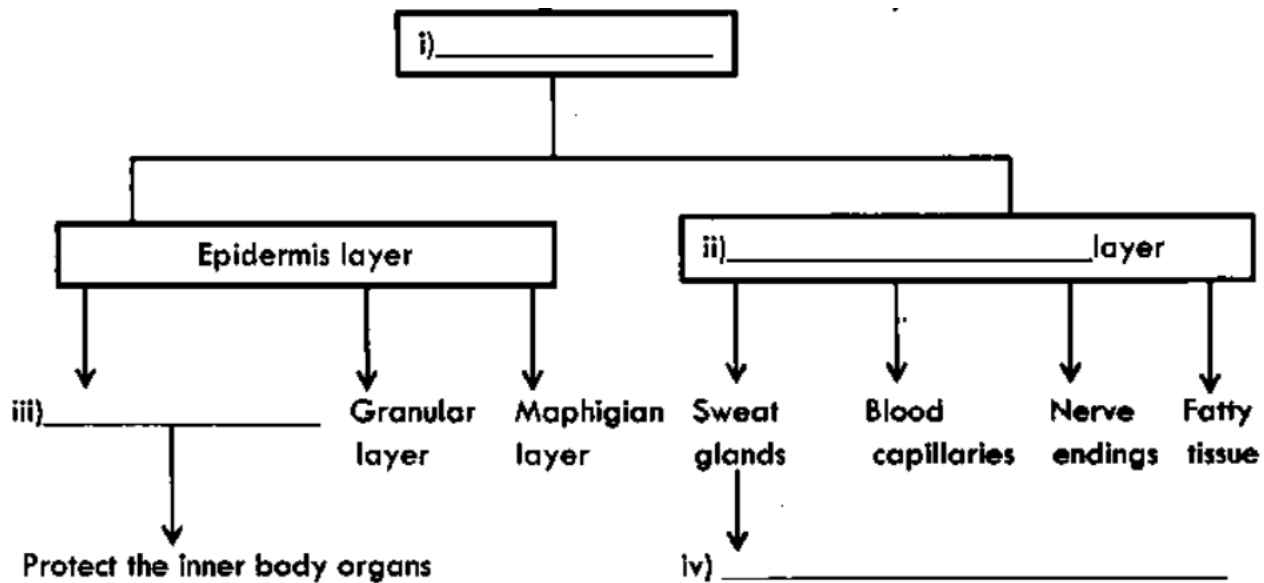
(b) State two functions of the amniotic fluid during pregnancy.

(i) _____

(ii) _____

(c) In which way is a placenta useful in the feeding of the foetus in the womb?

46. The flow chart below is about one of the human body organs. Study and use it to fill the missing information correctly.



- 47(a) Write down any two factors considered when sorting clothes for washing.

- (i) _____
(ii) _____

- (b) State what can be done during cleaning to:

- (i) remove stains from the cloth before washing _____
(ii) remove folds (wrinkles) after washing and drying the cloth _____

- 48(a) Apart from amphibians, state two other groups of cold blooded vertebrates.

- (i) _____
(ii) _____

- (b) Give two ways in which the jelly substance found on the eggs of a toad is important.

- (i) _____
(ii) _____

49(a) Write down any two devices which can be used to store sound.

(i) _____

(ii) _____

(b) State two ways in which stored sound can be reproduced.

(i) _____

(ii) _____

50(a) Name the kind of movable joint found at the elbow.

(b) Apart from the elbow, give one other example of the joint in (a) above.

(c) Name two bones which form the joint at the elbow.

(i) _____

(ii) _____

51(a) Write down any two elements of weather needed by plants for growth.

(i) _____

(ii) _____

(b) In which two ways does air support plant growth?

(i) _____

(ii) _____

52(a) Use the table below to give the difference between bacteria and fungi.

Feature	Bacteria	Fungi
Reproduction

(b) Apart from yeast, give one other example of fungi.

(c). How is the reproduction of yeast different from that of other fungi?

53(a) What are weeds?

(b) State one way in which weeds are useful to people.

(c) Give two ways in which weeds affect crop growth.

(i) _____

(ii) _____

54(a) In which state of matter does heat travel slowest?

(b) How are liquids similar to gases in terms of heat transfer?

(c) Which part of a thermos flask controls heat loss by?

(i) conduction _____

(ii) radiation _____

55(a) State any one indicator of poor sanitation in a home.

(b) Write down any two vectors that are common in a home with poor sanitation.

(i) _____

(ii) _____

(c) Give any one disease that can break out due to poor sanitation in a community.
