



BETTER EDUCATIONAL CONSULTANCY

PRE-PRIMARY LEAVING EXAMINATION

SPOT ON SET TWO, 2022

INTEGRATED 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		

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Turn over

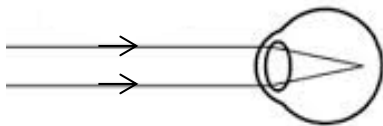
SECTION A.

1. Name any **one** living resource in our environment.

2. Why are birds said to be vertebrates?

3. How does slashing tall grass control disease spread in a home?

Use the diagram below to answer questions 4 and 5.



4. Which eye defect is shown in the diagram above?

5. How is the defect above corrected in people?

6. Why should the government of Uganda carryout demography.

7. Identify any **one** primary sex characteristic in girls.

8. What happens to an iron metallic tool when it is exposed to moisture and oxygen?

9. State any **one** importance of a health parade in a school.

10. In which **one** way are red blood cells adapted to transporting oxygen around the body?

11. To which group of arthropods does a millipede belong?

12. Identify the role of gills to a mushroom.

13. Name the body sense that enables a pupil to realize change in temperature.

14. How useful are honey bees to a crop farmer?

15. What happens to an object whose density is 0.19g/cc when placed on the surface of pure water?

16. State **one** method of making a magnet.

17. Give any **one** way of maintaining proper working of the circulatory system.

18. Which type of root system is shown in the diagram below?



19. Mention any one example of animal fibre got from grats

20. Apart from removing dirt, why should the udder and teats should be washed with warm water before milking?

21. How do enzymes help in food digestion?

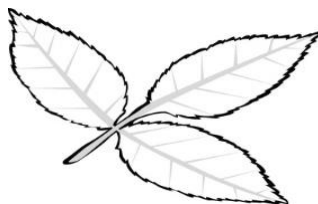
22. Name any **one** mammal that moves by flying.

23. What is the role of plants in a food chain?

24. Name any **one** disadvantage of breast feeding to a mother.

25. Mention any one product got from bees.

26. How does heat travel through areas without any matter?

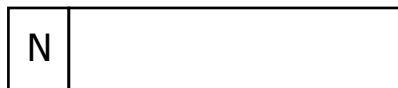
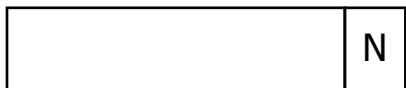


27. Which type of compound leaf is shown above?

28. Give a reason why displacement method is used to find the volume of a stone.

29. Why is HIV/AIDS considered a problem of one's immunity?

30. Use arrows to show the behaviour of the magnets below if they are pushed nearer.



31. What is agro-forestry?

32. How can Kwashiorkor be prevented in a baby without giving drugs?

33. State the role of lungs during excretion.

34. How do plants use water in the soil?

35. Why should **one** brush the teeth after a meal?

36. In the space below draw a simple diagram to show that air can be compressed?



37. Why is row planting used by many farmers?

38. How is the use of electricity an advantage to the environment?

39. Point out the main natural source of water in the environment.

40. State any **one** cause of burns to a child.

SECTION B

41. a) What special name is given to the following substances in ORS;

i) Salt and sugar _____ ii) water _____

b) Why is ORS given to a child with diarrhoea?

c) Mention **one** cause of dehydration in babies.

42. a) State the chemical change that take place in the living body cells of animals.

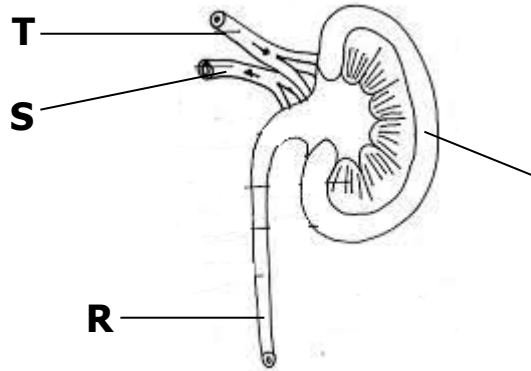
b) How is the process mentioned in (a) above important to animals?

c) State the important of the following during breathing

i) Cilia _____

ii) Rings of cartilage _____

43. The diagram below is of a cross-section of a human kidney. Use it to answer questions that follow.



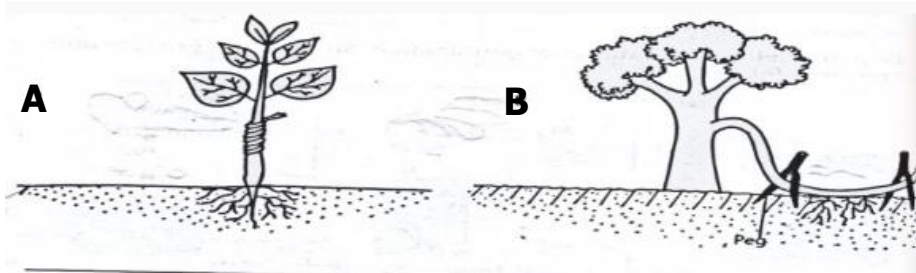
a) Name the part marked **R**.

b) What is the importance of part **P**?

c) How is blood carried by the blood vessel **S** different from that one in vessel **T**?

d) How important are kidneys in the body besides filtering blood?

44. a) identify the vegetative propagation methods drawn below.



A _____

B _____

b) State any one advantage of vegetative propagation.

c) Apart from vegetative propagation, give one other way in which plants are propagated.

45. a) Mention any **one** common type of clouds apart from nimbus.

b) How do nimbus clouds lead to the cooling of the atmosphere?

c) Which weather instrument do farmers prepare in response to the presence of nimbus clouds in the sky?

d) Name the type of weather that results from the presence of nimbus clouds in the sky.

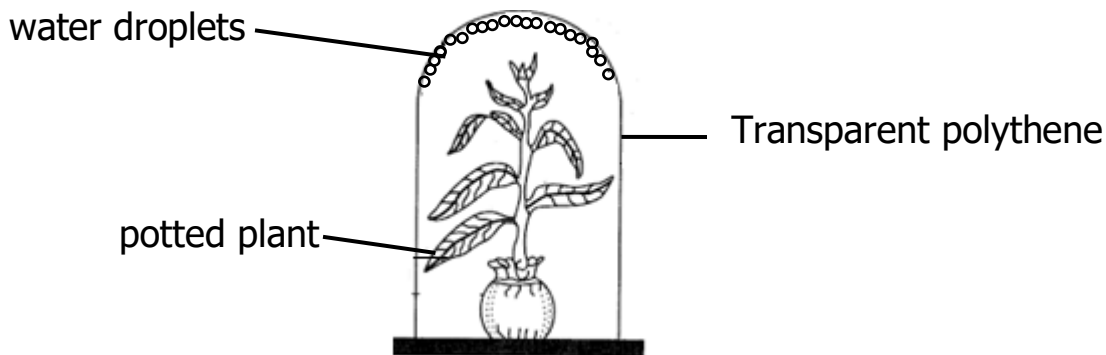
46. a) Give any **one** advantage of crop rotation.

b) Identify the group of crops that increases soil fertility when included in crop rotation.

c) How do the crops above increase soil fertility?

d) Give any **one** example of the above crops.

47. **The diagram below shows an experiment done by P.4 class during a science lesson. Use it to answer questions that follow.**



a) Which natural process did P.4 experiment?

b) How is that natural process important?

i) In the environment _____

ii) To a plant _____

c) Write down any **one** factor that may decrease the rate of the above process.

48.a) Name any **one** example of string musical instrument.

b) How does a string musical instrument produce sound?

c) How can **one** make pitch of sound produced by a string go higher?

d) Why does a shorter string of a string musical instrument produce higher pitch than the longer one?

49. a) Name **one** activity under each of the following element of PHC;

i) control of communicable diseases _____

ii) Food and nutrition _____

b) Give any **one** importance of carrying out PHC activities in the community.

c) State any **one** principle of PHC.

50. a) Why is fighting in class considered to be an anti-social behaviour?

b) State **one** effect of failing to enforce rules and regulations at school.

c) In which **one** way does the good behaviour of parents help to control anti-social behaviour in their children.

b) Give **one** danger of anti-social behaviour in the community.

51. a) How does spider differ from an insect in the physical appearance?

b) In which **two** ways can insects be dangerous to people?

i) _____

ii) _____

c) Point out any **one** common product from insects that is useful to people.

52. Match the following correctly.

List A

Thermal

Hydro electricity

Nuclear electricity

Geothermal electricity

List B

Hot spring (steam)

Uranium

Fossil fuel

Fast flowing water

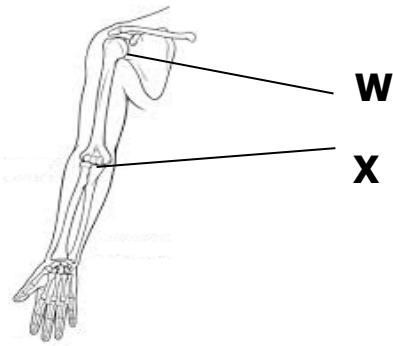
Thermal

Hydro electricity

Nuclear electricity

Geothermal electricity

53. Study the diagram below carefully and answer questions below.



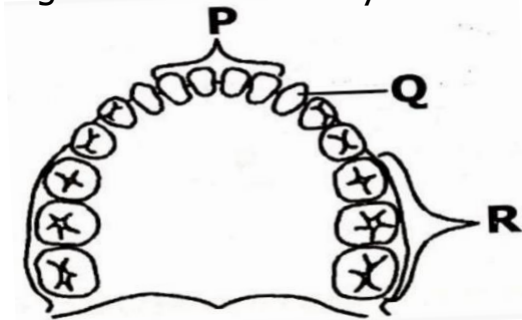
a) Use an arrow with letter Y to show triceps muscles on the diagram.

b) Why are biceps and triceps muscles called voluntary muscles?

c) Which type of movable joint is shown at W?

d) How is movement of joint X similar to that of knee joint?

54. Study the diagram below carefully and answer questions that follow.



a) Name the type of teeth marked Q

b) State the function of the following types of teeth.

i) P

ii) Q

c) Identify one difference between the structure of the types of teeth labeled Q and R

55. a) What term is used to refer to the regular use of tobacco?

b) Mention the poisonous gas found in tobacco.

c) State the effect of the gas mentioned in (b) above to the respiratory system.

d) Identify any one example of commonly abused drug.

END