

THE SIPRO BEGINNING OF TERM II EXAMINATIONS 2022
PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index No.	EMIS No.					Personal No.		

Candidate's Name: _____

Candidate's signature: _____

District: _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: **A** and **B**.
2. Section **A** has **40** questions (40 Marks)
3. Section **B** has **15** questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections **A** and **B** must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:
"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

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Total		

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SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the bee product used in making cakes.

2. Write **one** item that people use to protect themselves during a rainy weather.

3. How is regular smoking important in the maintenance of an ordinary pitlatrine?

4. State any **one** energy change which takes place when wood is burnt.

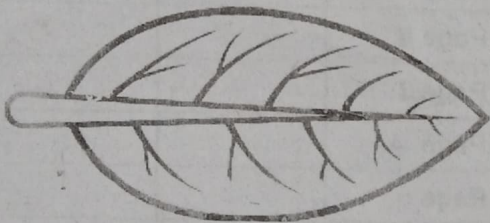
5. How is soap an important item in promoting personal hygiene?

6. Mention the food value got from eating most fresh fruit.

7. Name the part of an egg of a bird where gaseous exchange takes place.

8. Apart from bacteria, give **one** other group of organisms which cause diseases among human beings.

9. Name the type of leaf shown below.



10. State the force of attraction that keeps molecules of the same substance together.

11. Give **one** way castration is an important practice on a goat farm.

12. How are health parades important in a school?

13. Mention the vector which spreads bilharziasis to people.



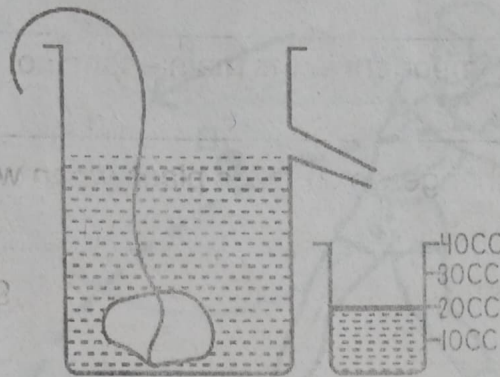
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P7 INTEGRATED SCIENCE BEGINNING OF TERM II EXAMINATIONS - 2022

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANIONS.

14. Besides seeing the scar on the right upper arm, how else can a teacher know that a child was immunised against tuberculosis?

The diagram below shows a method of finding volume. Use it to answer question 15.

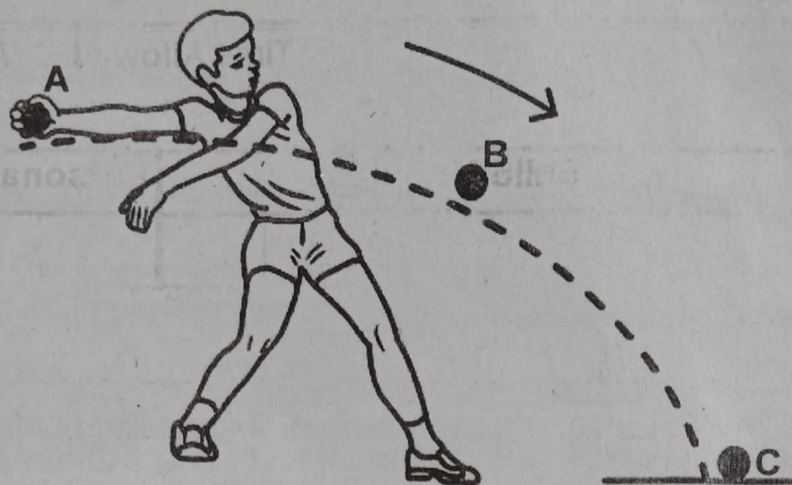


15. When is the method shown in the diagram above used to find volume?
16. How is leaf venation in beans different from that in sorghum?
17. State the use of ears to a deaf person.
18. Give any **one** way of protecting a constructed house from effects of strong wind at home.
19. Name the blood vessel that transports deoxygenated blood from the body to the heart.
20. Give **one** importance of stored sound.
21. How do hookworms differ from tapeworms in the way they enter the human body?
22. Give **one** method farmers use to plant seeds in the garden.
23. Why is breastmilk the most recommended meal for babies below two years?



24. How is a cattle farm useful to a nearby shoe making factory?

The diagram below shows a boy throwing a stone. Study and use it to answer question 25.



25. What type of energy is possessed by the stone at position B?

26. Mention any **one** emotional sex characteristic common among adolescents.

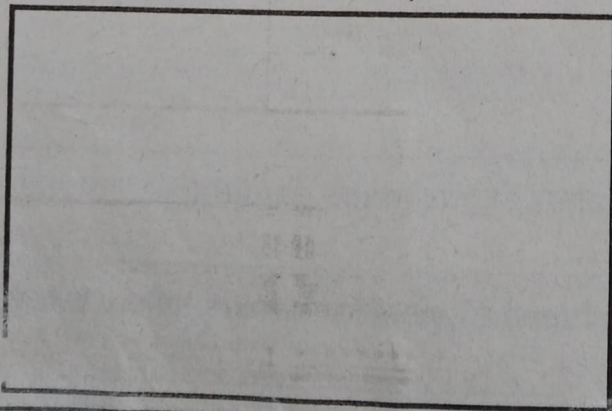
27. How are prop roots important to a maize plant during flowering time?

28. Where in the body of a fish does breathing take place?

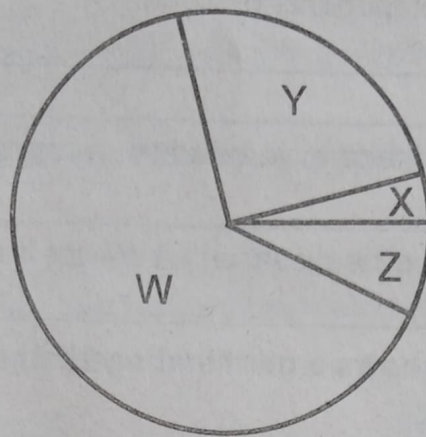
29. How are calcium and phosphorus salts important to the human skeleton?

30. Give **one** adaptation of air sacs to their function of gaseous exchange.

31. In the space provided below, draw the structure of a canine tooth.



The diagram below shows the composition of air in the atmosphere.
Study it carefully and use it to answer questions 32 and 33.



32. Name the gas marked with letter W.
- _____
33. Mention **one** process in plants which uses gas X.
- _____
34. What term is used to mean the gradual removal of top soil from one place to another?
- _____
35. State **one** importance of bacteria to people.
- _____
36. What happens to a plant when it loses more water through the stomata than it absorbs from the soil?
- _____
37. By what process does smoke rise up through the chimney in a kitchen?
- _____
38. State any **one** reason why school children prefer rearing rabbits to rearing cattle.
- _____
- _____
39. Why does a worker bee die soon after stinging the enemy?
- _____
40. How does a sweater keep a person warm during cold weather?
- _____



SECTION A : 40 MARKS

Questions 41 to 55 carry four marks each.

41. a) Mention any **two** components of blood.

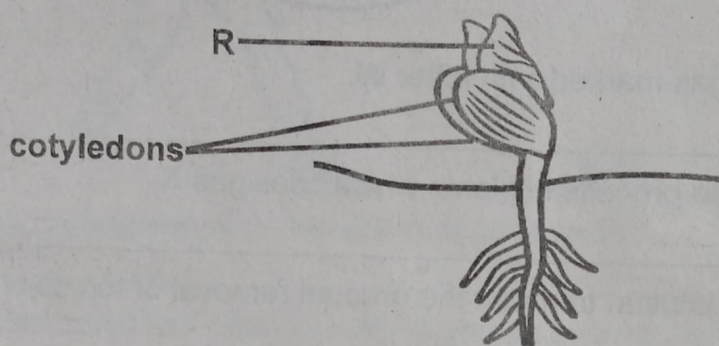
(i) _____

(ii) _____

(b) Apart from digested food, give **one** other substance transported by blood.

(c) Name the vector - borne disease that affects the circulatory system.

42. The diagram below shows a germinating seed. Study it and answer the questions that follow.



(a) State the type of germination shown in the diagram above.

(b) Name the part marked with letter R.

(c) Give an example of a seed that undergoes such a type of germination.

(d) Apart from moisture, mention any other condition necessary for a seed to germinate.

43. a) How is immunisation useful in the control of childhood killer diseases among infants?

(b) Give the diseases for which the following vaccines are given:

(i) BCG vaccine _____

(ii) DPT vaccine _____

(c) State **one** way a P.7 child can promote immunisation at home.



44. a) Name **two** examples of scavenger birds in the environment.

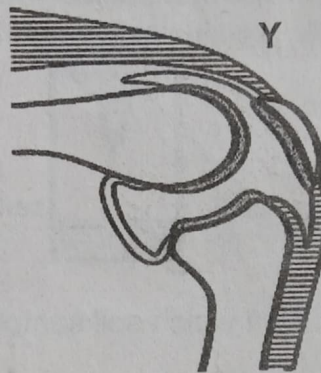
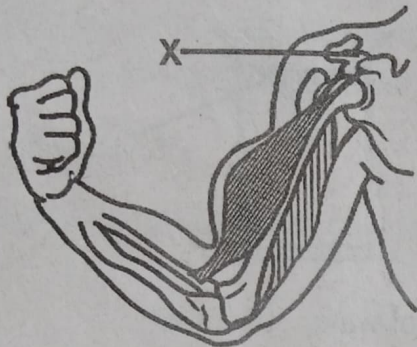
(i) _____

(ii) _____

(b) In which way are scavenger birds useful in the environment?

(c) How is feeding in birds of prey different from that of scavenger birds?

45. The diagram below shows two types of movable joints. Study and use it to answer the questions that follow.



(a) Name the type of movable joints marked X and Y.

(i) X _____

(ii) Y _____

(b) State **one** similarity and difference between joints X and Y.

(i) similarity _____

(ii) difference _____

46. a) Which process turns sugar added to water into alcohol?

(b) Name the fungus that enables the process mentioned above to take place.

(c) State **two** dangers of alcoholism to an individual.

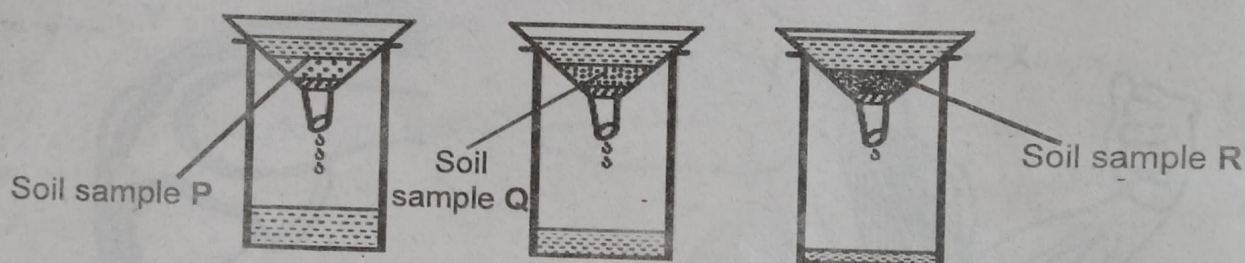
(i) _____

(ii) _____



47. a) Give any **two** reasons why poultry farmers should keep farm records.
- (i) _____
- (ii) _____
- (b) Mention any **one** example of a common poultry vice.
- _____
- (c) How can poultry farmers control the poultry vice mentioned in (b) above?
- _____

48. Equal amounts of water were poured in the soils marked P, Q and R as shown in the diagram below. Study the diagram and use it to answer the questions that follow.



- (a) From which soil sample was the first drop of water collected?
- _____
- (b) Give a reason for your answer in (a) above.
- _____
- (c) Name the soil samples P and Q.
- (i) P _____
- (ii) Q _____
49. a) Name any **two** communicable diseases spread through drinking contaminated water.
- (i) _____
- (ii) _____
- (b) Apart from contaminated food and water, give any **one** other way communicable diseases are spread among people.
- _____
- (c) State any **one** practice in the community that can help in the control of communicable diseases.
- _____



50. a) Name the part of the ear responsible for;
(i) collecting sound waves: _____
(ii) equalising air pressure: _____
(b) Give **one** hygienic practice that helps to control temporary deafness.

(c) Mention **one** way of increasing the pitch of sound produced by a guitar.

51. a) What do we call the condition when the body temperature rises beyond the normal one?

(b) The normal body temperature of Peter rose by 3 degrees celsius. What was his new body temperature? (1 mark)

- (c) Convert the above new temperature to degrees fahrenheit. (2 marks)

52. a) Mention any **one** principle of P.H.C.

- (b) Name the element of P.H.C that helps in:-

- (i) controlling childhood killer diseases _____
(ii) controlling fungal skin diseases _____

- (c) State **one** role of the community in promoting PHC.

53. Match the animals in list A to their groups in list B correctly.

A

snail
liverfluke
millipede
butterfly

- (i) snail _____
(ii) liverfluke _____
(iii) millipede _____
(iv) butterfly _____

B

insects
worms
molluscs
myriapods



54. a) Mention any **two** examples of garden tools used in a nursery bed.

(i) _____

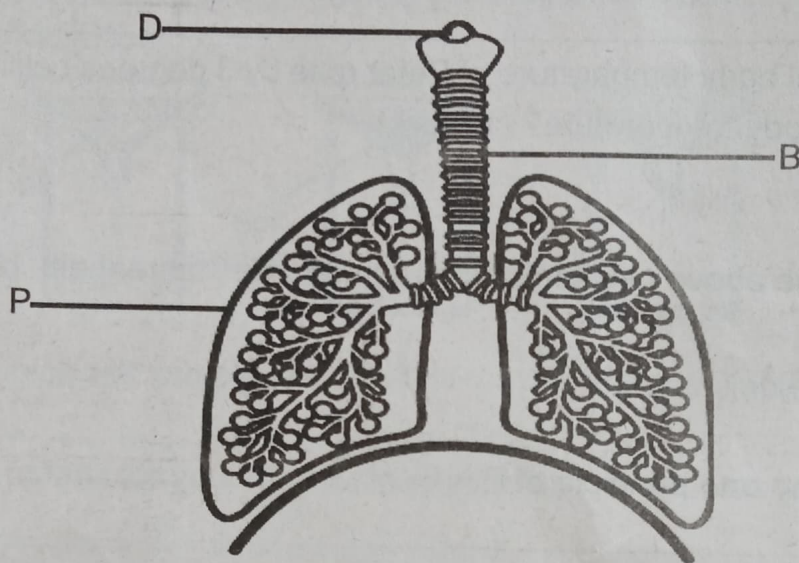
(ii) _____

(b) Give the uses of the garden tools you have mentioned in (a) above.

(i) _____

(ii) _____

55. The diagram below is of the respiratory system. Study and use it to answer the questions that follow.



(a) Name the part labelled D.

(b) Mention the adaptation of part B to its function.

(c) Why does part P expand during inhalation?

(d) Under which type of breathing does part P expand?
