

CORNERSTONE JUNIOR SCHOOL

P.7 PRE- MOCK EXAMINATIONS SET TWO

SCIENCE TERM II 2022

Time : 2:15minutes

Candidate's name :.....Stream.....

Index No.....

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO
Read the following instructions carefully.

SECTION	MARKS
A	
B	
T	

1. The paper has two sections: A and B.
2. Answer ALL questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
4. No calculators are allowed in the examination room.
5. Unnecessary changes of work may lead to loss of marks.
6. Any handwriting that cannot be easily read may lead to loss of marks

SECTION A (40 MARKS)

1. Name the sense organ used for feeling in humans.

2. How does a drum produce sound?

3. What scientific name is given to the mosquito larva?

4. Which type of change occurs when an egg hatches?

5. How does brushing of teeth promote oral hygiene?

6. What are energy resources?

7. How is a strip cup useful to a cattle farmer?

8. Why is malaria said to be a communicable disease?

9. Give the importance of buttress roots to plants.

10. State one way in which clouds are important in the environment.

11. How do bacteria reproduce?

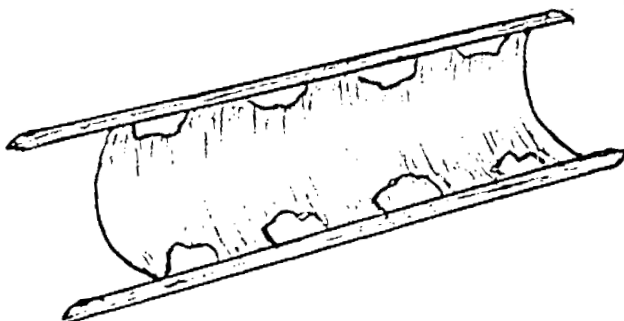
12. How are PIASCY messages important in schools?

13. In which way is a tadpole similar to a fish?

14. Mention any one element of weather that supports plant growth.

15. How is a vector different from a germ?

Study the diagram below and answer the questions that follow



16. Why can't the above first aid item be found in a first Aid box?

17. State the use of the item above to a first aider.

18. Why is the trachea made of rings of cartilage?

19. Give the function of patella in a knee joint.

20. Why are bees regarded as social insects?

21. State any one importance of shadows in the environment.

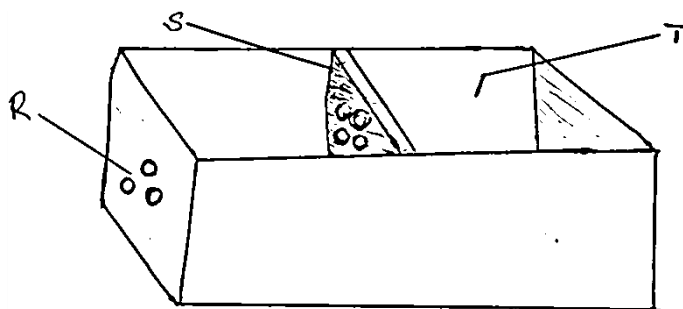
22. Why is a bicycle not regarded as a simple machine?

23. Mention any one poultry disease that is common to rabbits.

24. Which type of soil is used in the making of ceramics?

25. How can a teacher identify the child that was immunized against T.B?

Below is a diagram showing a modern bee hive. Use it to answer questions 26 and 27.



26. Name the part of the bee hive marked S.

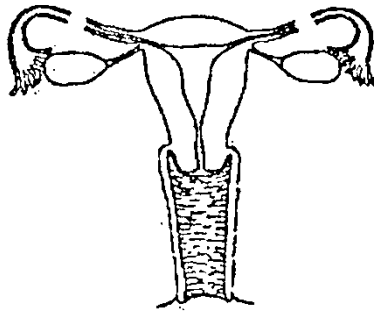
27. How are structures marked R useful to bees?

28. State one way tape worms enter the human body.

29. In which way is wool important to a sheep?

30. Give one danger of narcotic drugs to people.

The diagram below shows a birth control method; Use it to answer questions 29 and 30



31. Identify the method of birth control shown above.

32. State one advantage of using the method of birth control shown above.

33. Why are beans grouped under flowering plants?

34. State one way you can help a friend whose hand has been burnt with hot charcoal.

35. Where in the kidney does selective reabsorption of water take place?

36. How is mulching useful in crop growing?

37. Give one reason why people eat food.

38. How is blood important in defending the body against diseases?

39. What is P.H.C?

40. State any one characteristic of enzymes.

SECTION B

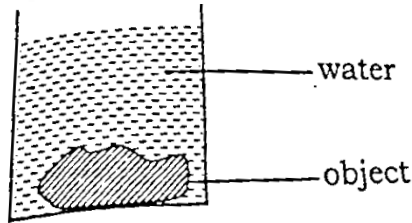
41. a) Mention the first set of teeth that develops in babies below the age of 6 years.

- b) State the function of molar teeth during digestion.

c) Besides brushing, state one other way of cleaning our teeth.

d) Mention one major cause of tooth decay.

42. **The diagram below shows the behavior of some objects in water. Use it to answer questions that follow**



a) Mention any two objects which can behave in the same way as object M in water.

i) _____

ii) _____

b) Why cant object M settle on the surface of water in the container?

b) What term is used to refer to objects which behave in water as shown in the diagram above?

43. a) Define the term soil leaching.

b) State one cause of soil leaching.

c) Give one way of conserving soil.

d) How does over cultivation lead to soil erosion?

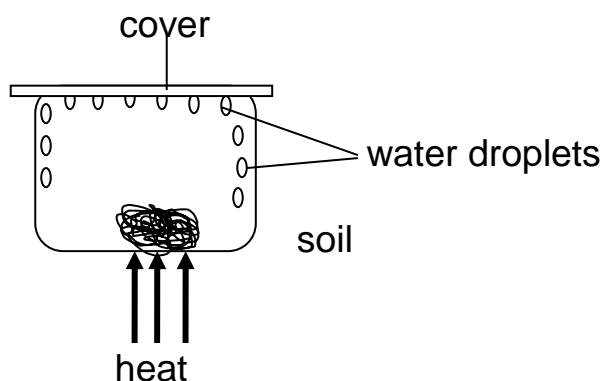
44. a) What name is given to a place where human wastes are deposited?

b) How is a VIP latrine different from an ordinary pit latrine?

c) Why should an ordinary pit latrine be smoked regularly?

d) Give the importance of spiral walls to the latrine user.

45. The experiment below was carried out by P.7 pupils. Use it to answer question 45



- a) What is the above experiment about?

- b) How are the following useful in the experiment above?

i) cover _____

ii) heat _____

- c) State one effect of harmful materials on soil.

46. Study the table about immunizable diseases below and complete it correctly

Immunisable disease	Vaccine	Age at which the vaccine is given
Polio	Polio vaccine	i) _____
ii) _____	BCG vaccine	At birth
Measles	iii) _____	At 9 months
Diphtheria	iv) _____	At 6 weeks

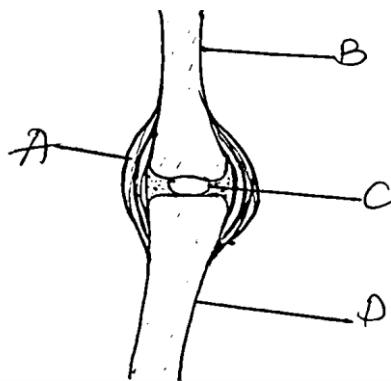
47. a) What is sanitation?

- b) Give one importance of water in the promotion of personal hygiene.

- c) How does boiling of water make it safe for drinking?.

- d) Why is distilled water not recommended for drinking?

48. Below is a diagram showing a movable joint. Use it to answer the questions that follow.



- a) Which type of movable joint is shown above?

- b) In which way is the above joint different from a ball and socket joint?

- c) Name the bone marked C.

- d) Mention any one water borne disease that affects bones.

49. a) What term is used to refer to the hotness or coldness of an object or place?

- b) Which instrument is used to measure the human body temperature?

- c) Change 20°C to $^{\circ}\text{F}$.

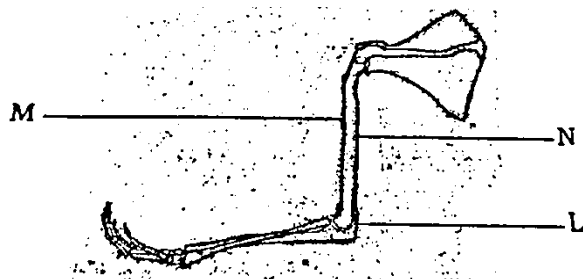
50. a) Name the main organ of the respiratory system of man.

- b) By what process does gaseous exchange take place in the air sacs?

- c) State one characteristic of the air we breathe in.

- d) Give any one by product of respiration.

51. The diagram below shows bones of the upper limb of humans. Use it to answer questions that follow



- a) Name the muscle attached at the part of the bone marked;

i) N _____
 ii) M _____

- b) Give one characteristic of joint marked L.

- c) Mention one disease which can affect bones.

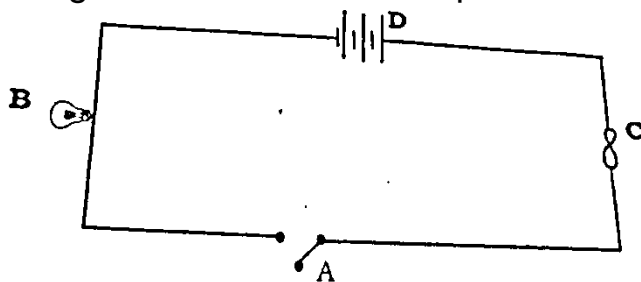
52. a) State the main function of the human heart.

- b) Which part of blood is attacked by;

i) malaria parasites? _____
 ii) HIV/AIDs? _____

- c) Give one structural difference between arteries and veins.

53. Use the circuit diagram below to answer questions that follow.



- a) Name the components of the circuit marked;

i) B _____
 ii) D _____

- b) State what happens to part B when part A is closed.

c) Give a reason to support your answer in (b).

54. a) What is milking?

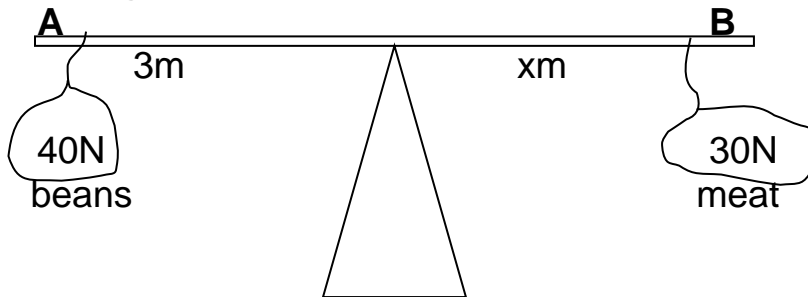
b) Name any one method of milking cows.

c) How can contamination of milk be prevented during the process of milking?

i) _____

ii) _____

55. The diagram below shows a simple machine



a) Identify the simple machine shown above.

b) By use of letter P, show the fulcrum.

c) How far are beans from meat? (2marks)

END