

THE SIPRO MOCK EXAMINATION 2020

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

EMIS NO: _____

Index No: _____

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Candidate's Name: _____

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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Questions 1 to 40 carry one mark each.

1. Which element of weather causes flooding in an area?

2. Name the part of the human ear with a similar function as the optic nerve of the eye.

3. Apart from wings, name **one** other part of an insect attached to the thorax.

4. How is the feeding of a tapeworm different from that of a hookworm?

5. State **one** property that applies to all matter.

6. Why is it important to include cotton wool in a First Aid Box?

7. Mention the part of an egg which provides proteins and fats to the growing chick during incubation.

8. Give **one** way food in the human body is similar to fuel in a car.

9. Name **one** vaccine that is administered to babies at the age of six weeks.

10. State **one** advantage of artificial insemination on a cattle farm.

11. How do feathers keep a bird warm when it is cold?

12. Give **one** effect of untreated gonorrhoea to a pregnant woman.

13. State **one** benefit of alcohol to the health workers.



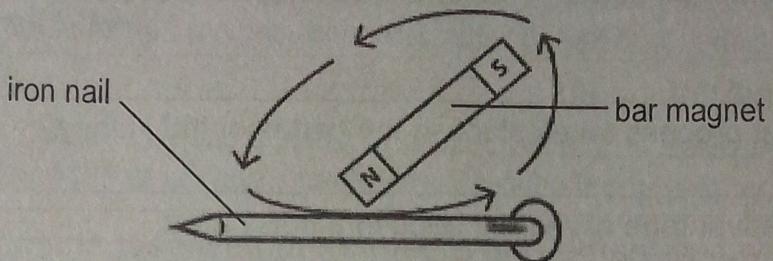
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The diagram below shows a method of magnetisation. Study and use it to answer question 14.



14. What do the arrows represent in the method of magnetisation shown above?

15. Name the type of bee with no duty in the beehive.

16. How does salting prevent food from rotting?

17. Which organ of the human body is attacked by leprosy?

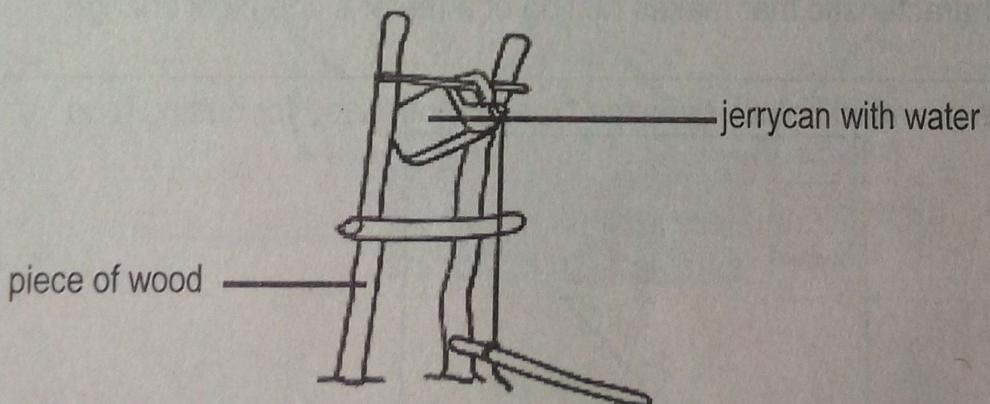
18. Give **one** reason for prescribing medical drugs before using them.

19. Why are poultry in the free-range system at a higher risk of getting poultry diseases?

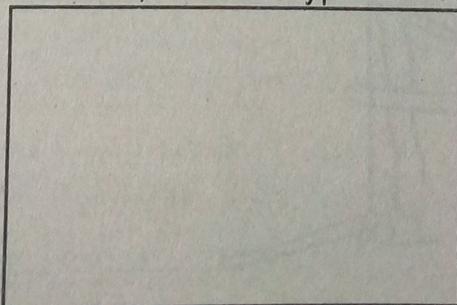
20. State the method of plant training in which a stick is tied onto a plant to support it.

21. Why is the filament of an electric bulb made of a thin coiled wire?

The diagram below shows a common equipment. Study and use it to answer questions 22 an 23.



22. Name the equipment shown in the diagram above.
-
23. Why is the equipment above recommended to use instead of hand operated taps?
-
24. What important process takes place in the cortex of the kidney?
-
25. State one disadvantage of rearing bees in a noisy area.
-
26. Name the method of making water safe which does not involve heating.
-
27. Which characteristic prevents insects from visiting wind pollinated flowers?
-
28. Give **one** primary sex characteristic that is common to both boys and girls during adolescence.
-
29. Name **one** biological method of reducing mosquitoes in a home.
-
30. How does breastfeeding improve the immunity of a baby?
-
31. Give any **one** way the size of an object determines pitch of a percussion musical instrument.
-
32. Mention the component of **ORS** which provides energy to a dehydrated person.
-
33. State the function of tendons in the human body.
-
34. Give **one** characteristic that makes rusting of a metal a chemical change.
-
35. In the space provided below, draw the type of tooth used for cutting food.
-



36. What structures on a leaf of a plant play a similar role as the lungs in a human being?

37. Apart from moisture and oxygen, give one other condition needed for a seed to germinate.

38. State the advantage of leaving space between rails during railway construction.

39. To which group of vertebrates is a chameleon classified?

40. Why does a person suffering from malaria become anaemic?

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41(a) Name the type of soil with;

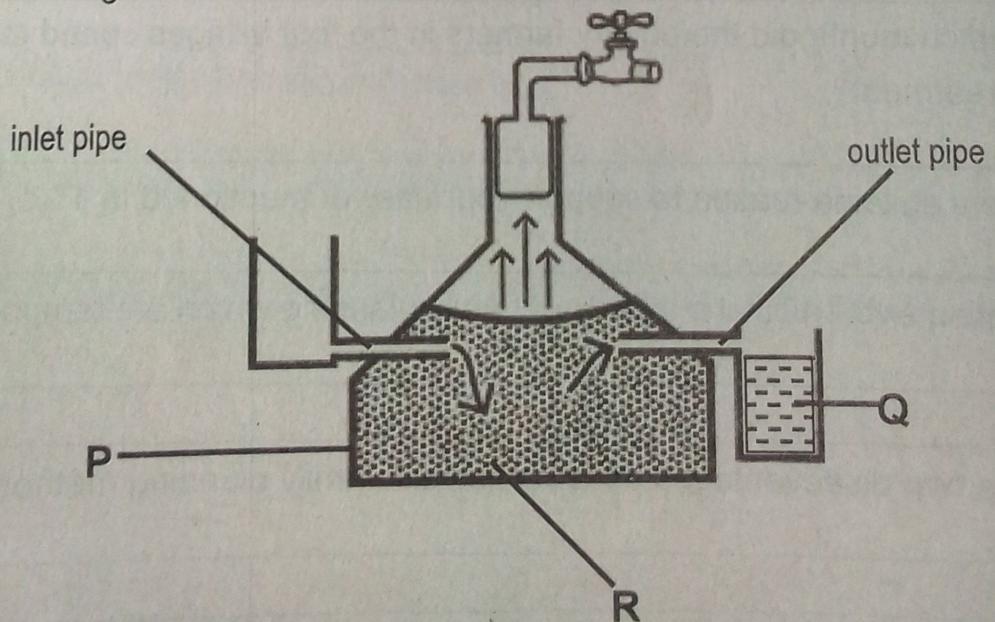
(i) a high humus content _____

(ii) a high rock particle content _____

(b) Which method of soil formation involves the action of bacteria?

(c) Give one way of conserving soil without the use of chemicals.

42. Study the diagram below and use it to answer the questions that follow.



(a) Name the fuel produced in the equipment above.

(b) Give **one** example of a material that should be put at R.

(c) Why is equipment marked with letter P kept air tight?

(d) How is substance Q useful to crop farmers?

43. The table below shows common diseases that attacked chicken in four villages from June to October 2019. Study and use it to answer the questions that follow.

Village	June	July	August	September	October
A	-	-	Coccidiosis	-	Anan Leukosis
B	Fowl typhoid	-	Black head	Coccidiosis	Coccidiosis
C	-	-	Coccidiosis	-	-
D	Coccidiosis	-	Coccidiosis	Fowl pox	-

(a) Name the disease that attacked all the four villages.

(b) Give **one** sign of the disease that attacked village D in September.

(c) In which month did the poultry farmers in the four villages spend more on treatment?

(d) Give a suitable reason to support your answer mentioned in 43(c) above.

44(a) Mention **two** artificial methods of family planning which are temporary.

(i) _____

(ii) _____

(b) Write **two** disadvantages of using artificial family planning methods.

(i) _____

(ii) _____



45(a) Name the poisonous gas contained in tobacco smoke.

(b) Give two diseases caused by excessive smoking.

- (i) _____
(ii) _____

(c) Which body organ is greatly damaged by excessive smoking?

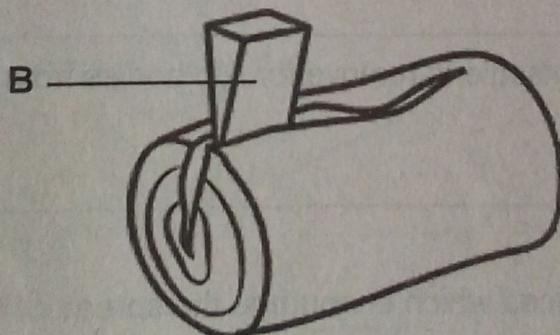
46(a) How do the following animals protect themselves against enemies?

- (i) snail _____
(ii) millipede _____

(b) Apart from protection, give two other factors considered when classifying animals.

- (i) _____
(ii) _____

47. The diagram below shows a simple machine. Use it to answer the questions that follow.



(a) Name the simple machine shown by letter B in the diagram above.

(b) To which group of simple machines does the simple machine above belong?



(c) Apart from the one shown above, name **one** other example of a machine in the same group mentioned in (b) above.

(d) Give **one** way machines simplify work.

48. A pupil of P.7 mixed water with cooking oil uniformly and left the mixture to stand for five minutes.

(a) Which of the **two** liquids settled;

(i) at the bottom? _____

(ii) on top? _____

(b) Why did the liquid mentioned in (a) (i) above settle at the bottom?

(c) Give **one** method the pupil would use to separate the mixture.

49(a) Mention any **two** foreign bodies that can fall into the eyes.

(i) _____

(ii) _____

(b) What First Aid is given to a person with a foreign body in the eye?

(c) Why is it not advisable to remove foreign bodies from the ear using a needle?

50(a) Write **two** practices which encourage the spread of HIV/AIDS in the community.

(i) _____

(ii) _____

(b) Give two lifeskills that can prevent a primary seven candidate from contracting HIV/AIDS.

(i) _____

(ii) _____



51(a) Why are families advised to feed on a balanced diet?

(b) Give the reason for weaning babies at the age of six months.

(c) What term is used to mean the condition when the body lacks some food values?

(d) How are roughages important to the digestive system?

52(a) How do the following organisms reproduce?

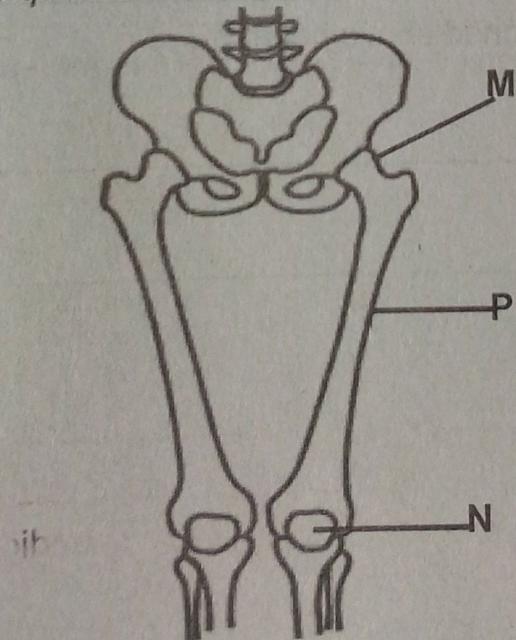
(i) yeast _____

(ii) bacterium _____

(b) Apart from bacteria, name **one** other organism that reproduces in the same way as the one mentioned in (a) (i) above.

(c) Name **one** process at home that involves the use of yeast.

53. The diagram below shows part of the human skeleton. Study it and answer the questions that follow.



(a) Name the bone marked with letter P.

(b) Which joint is marked with letter M above?

(c) How is movement of joint at point M different from that at point N?

(d) Give one disorder common to the section of the skeleton shown above.

54(a) Write the two methods of storing sound energy.

(i) _____

(ii) _____

(b) State two ways stored sound can be used by people.

(i) _____

(ii) _____

55(a) Which process in plants uses carbon dioxide?

(b) Name one condition needed by the process mentioned in 55 (a) above.

(c) How does the process mentioned above benefit;

(i) animals and people?

(ii) the environment?



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