

INTENSIVE CARE SCHOOLS WANDI

PRE-MOCK EXAMINATIONS SET. II 2024

Primary Seven Integrated Science

Time allowed: 2 hours 15 minutes

Index No.

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Candidate's Name: _____

Candidates Signature: _____

Section A (40 marks)

1. Name any one item which is used for keeping fingernails short.

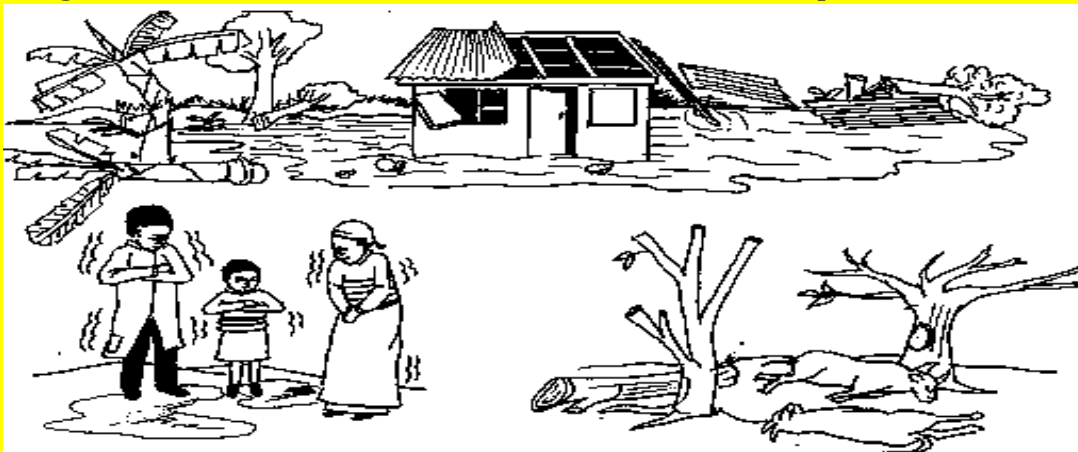
2. Under which group of animals are insects classified?

3. Apart from protecting the lungs and the heart, give any other way in which the skeletal system is useful to the circulatory system.

4. State the main cause of cannibalism in poultry.

5. How do soft board put on walls of theatres help to reduce echoes?

The diagram below shows a disaster. Use it to answer questions 6 and 7.



6. What do you think led to the cause of the disaster above?

7. Give any one effect of the disaster shown above on the environment.

8. Explain the difference between heat and temperature.

9. Give any one sign which is common between people suffering from tuberculosis (TB) and AIDS.

10. Which property of air is demonstrated when pressure is pumped into a ball and it becomes bigger?

11. State the role played by yeast during alcohol preparation.

12. In which part of the tooth are nerves and blood capillaries found?

13. Mention the condition that gives a first aider work to do.

14. In the space below draw a diagram to show like poles of magnets repelling each other.
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15. What is the importance of a shell to a tortoise?

16. To which group of flowering plants do rice and barley belong?

17. State any advantage of rearing goats over cattle.

18. Write down any one property of liquids.

19. How is ptyalin found in saliva important during digestion of food in the mouth?

20. Give a reason why loam soil is the best for crop growing.

21. What happens to air in the nose during inspiration?

22. Mention one way in which people can improve food security in their communities.

23. Besides wool, give any other example of animal fibre.

24. Why is it dangerous to construct a living house in a swampy area?

25. Apart from using soap, how else can you kill germs found on your clothes?

26. State the importance of condensation in a rain cycle.

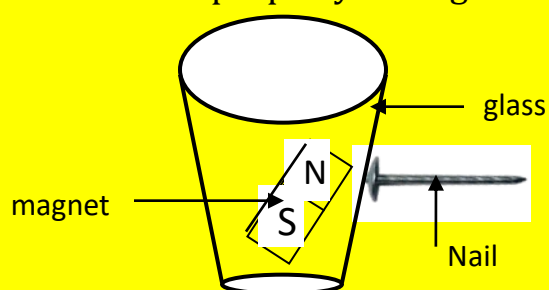
27. Mention any one activity in a school where single fixed pulleys can be used.

28. Give a reason why farmers prune their crops in the garden.

29. State one way in which heavy rainfall can affect the environment.

30. Which fuel is obtained by burning wood under limited supply of oxygen?

31. How is the property of magnets illustrated below use in our daily lives?



32. How are cilia in the nose important during inhalation ?

33. Identify the intestinal worm that enters our bodies by boring through the soft skin.

34. Why do people feel a lot of heat during a cloudy night than when there are no clouds?

35. Mention any one place where soil profile can be view clearly.

36. Why are physical changes reversible?

37. State any one consequence of earth quakes and landslides in the environment.

38. How are squirrels adapted to eating root tubers in the garden?

39. State any one reason why young farmer's clubs should be encouraged in schools.

40. How does a child health card help parents to monitor the growth of the child?

SECTION B (60 marks)

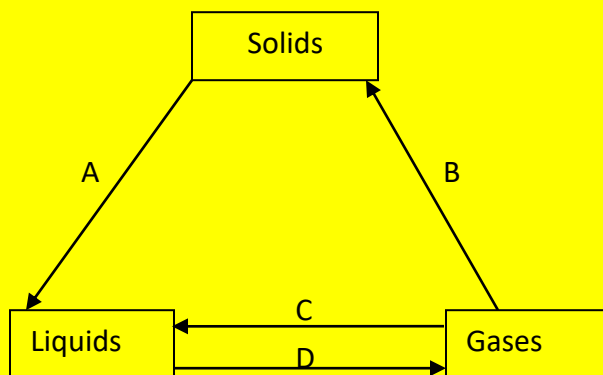
41. a) How is sound produced in percussion instruments?

- b) Besides writing, mention any other method of storing sound.

- c) In which part of the ear are sound vibrations transformed into nerve impulses?

- d) Why do mammals turn their pinnae when sound is produced?

42. The illustration below shows changes in different states of matter. Use it to answer the questions that follow.



- a) Name the physical process marked with letters A and C.

i) A ----- C -----

b) Which of the above process requires heat to take places?

c) How are the physical process marked **D** important in the environment?

43. a) Mention any two sources of alternating current electricity.

i) -----

ii) -----

b) State any way how use of electricity has helped to conserve the environment.

c) Which instrument is used to measure the amount of electricity consumed in a school?

44. a) Give the meaning of each of the following terms as used in animal husbandry.

i) kidding -----

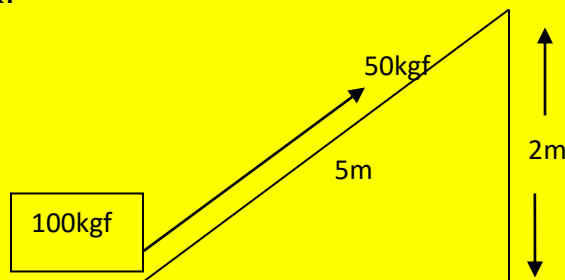
ii) gestation period -----

b) write down, any two viral diseases of sheep.

i) -----

ii) -----

45. The diagram below shows a machine used to lift a load of 100kgf using effort of 50 kgf.



a) Name the machine illustrated above.

b) What distance does the load and effort move through the above machine?

i) load ----- ii) effort -----

c) How can you use less than 50kgf to pull the above load?

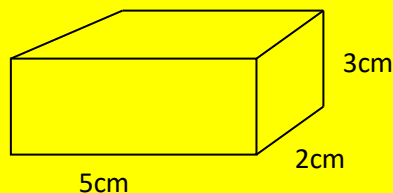
46. a) Why are leaves of banana suckers cut before its planted?

b) Apart from using suckers, give two other ways pineapples can be propagated.

i)----- ii)-----

c) Give a reason why most cereal crops are harvested during the dry season?

47. The glass below has a mass of 750 g. Study it and answer questions that follow.



4 marks

a) Find the density of the above abject.

48. a) Why does blood get to the lungs before it moves to around the body?

b) State the adaptations of each of the blood components below to their functions.

i) White blood cells

ii) Red blood cells

c) Name the protozoan disease which affects red blood cells.

49. a) Why do farmers keep the following breeds of goats?

i) Angora goats

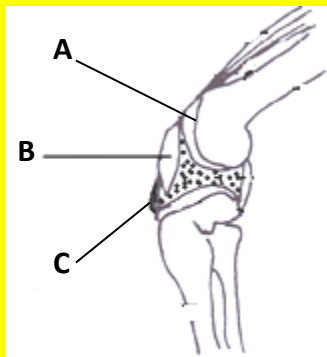
ii) Saanen goats

b) Write any two signs of a nanny goat on heat.

i) -----

ii) -----

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



a) Name the part labeled with letter B.

b) Apart from the part labelled with letter C, identify any other part that reduces friction in a joint.

c) Name any two body parts where such a joint is found.

i) -----

ii) -----

51. a) Name the two systems of grazing cattle commonly practiced in Uganda.

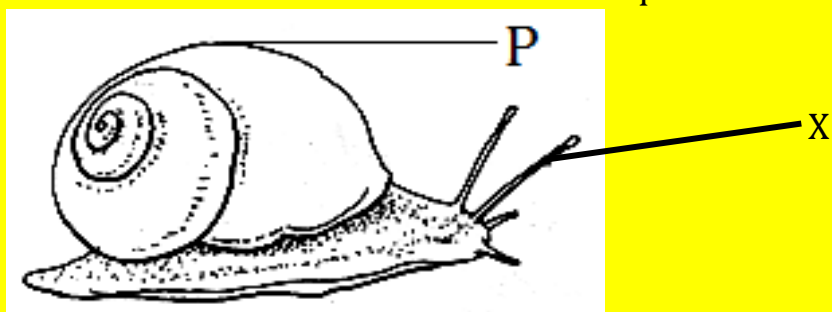
i) -----

ii) -----

b) State one disadvantage of grazing cattle using free range grazing.

c) Give any one advantage of artificial insemination in cattle management.

52. The diagram below is of a snail. Use it to answer questions that follow.



a) Name the parts marked X and Y.

i) X ----- P -----

b) Give one way in which water snails are dangerous to human health.

c) How does a snail protect itself from enemies?

53. a) What is Primary Health Care (PHC)?

b) Mention any one principle of PHC?

c) Which element of PHC is promoted when members in the community attend health meetings?

d) Apart from the above element, mention any other element of PHC.

54. a) State the meaning of the following terms as used in family planning.

i) Vasectomy -----

ii) Tubal ligation -----

b) Why do you think such methods are not recommended for parents who have not had enough children?

c) Give only one reason why a couple may produce many children.

55. a) What is a farm record?

b) Give any two advantages of keeping farm records.

i)-----

ii) -----

c) Identify one example of a farm record kept in animal farms.
