

PRIMARY SEVEN
INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Name: _____

School: _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may 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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Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

Turn over

SECTION A: 40 MARKS

Questions in this section carry one mark each

1. Name the gas which plants use to make their own food.

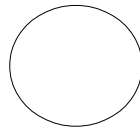
2. State the food for male anopheles mosquitoes.

3. Which part of a living house takes out used air?

4. Mention the type of fertilization common in most fish.

5. Give one way of controlling weeds in the garden.

The diagram below shows a balloon in air. Use it to answer the question that follows.



6. Name the property of air that makes the above balloon fly up in air. _____
7. Which method of heat transfer makes us feel hot on a sunny day? _____
8. What is the use of a bandage kept in a First Aid box?

9. Which component of soil is made of dead plants and animals?

10. What is the importance of a strip cup on a dairy farm?

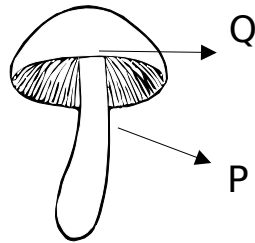
11. State the blood vessels that have thick walls.

12. Give any one disadvantage of heavy rain received for many days. _____

13. How can coccidiosis be controlled in poultry?

14. Give one way in which boiling water makes it safe for drinking.

The diagram below is of a mushroom. Study and use it to answer questions 15 and 16.



15. Name the part marked **Q**.

16. State the importance of part **P** to the mushroom.

17. Apart from keeping our feet clean, give one other reason why we should wear shoes.

18. How do legumes keep soil fertile?

19. State any one use of ponds to people.

20. How are the anthers useful during pollination?

21. State any one advantage of a waterborne toilet over a pit latrine.

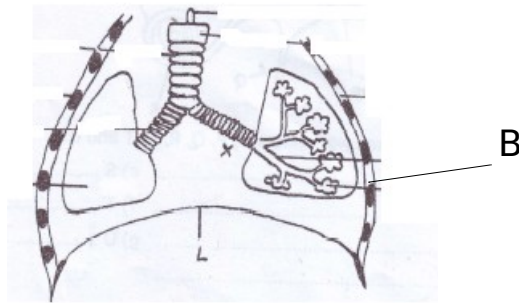
22. State any one characteristic that shows a crocodile as a reptile.

23. Which blood cells help the body fight germs?

24. How do babies get immunity?

25. In which units is atmospheric pressure measured?

The diagram below shows part of the respiratory organ. Study and use it to answer questions 26 and 27.



26. Which letter shows the part where exchange of gases takes place? _____

27. Give one way of keeping the organ above in good working condition.

28. How are vultures and hyenas useful in our environment?

29. Which body part of man will be affected due to lack of calcium in his diet?

30. Apart from diphtheria, mention any one other disease that is immunized by injection on the left upper thigh.

31. In which part of the human alimentary canal are proteins digested?

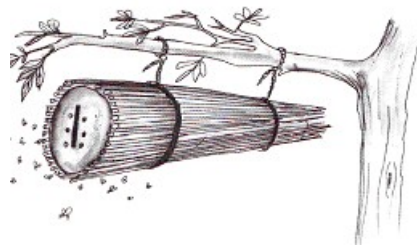
32. State any one danger of deforestation to animals.

33. Mention the natural resource formed from animal remains buried underground long ago.

34. Give any one habit that can keep your teeth healthy.

35. State any one way we can reduce the risks of getting malaria in our homes.

The diagram below shows a bee hive. Use it to answer question 36.



36. Name the type of bee hive shown above.

37. How is breathing in insects different from that in green plants?

38. How does a long drum produce sound?

39. Name the method of castration done with the use of a burdizzo.

40. What happens to the pitch of sound of a guitar when the string is tightened?

SECTION B: 60 MARKS

(Questions in this section carry four marks each)

41.a) Name the disease spread by each of the organisms below:

(i) dogs _____

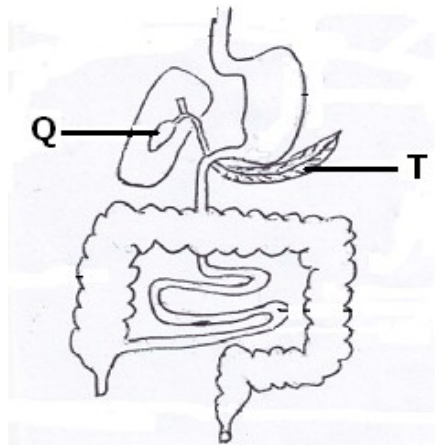
(ii) water snails _____

(b) Give any two ways we can prevent dogs from spreading the disease named above.

(i) _____

(ii) _____

42. The diagram below is of a human digestive system. Study and use it to answer the questions that follow.



(a) Name the parts marked **Q** and **T**.

(i) **Q** _____

(ii) **T** _____

(b) Which class of food is first digested in part **Q**?

(c) Name the digestive juice produced by organ **T**.

43. In the table below, part A shows plants and part B shows sentences describing each plant.

A	B
Beans	produce pollen and ovules in
cones	
Liverworts	bears seeds with one cotyledon
Cedars	have a network leaf venation
Maize	are spore bearing plants
Beans	_____
Liverworts	_____
Cedars	_____
Maize	_____

44.a) Name any two types of breeds of cattle kept in Uganda.

(i) _____

(ii) _____

(b) Give the main product from a cattle ranch.

(c) State one reason why government sometimes restricts the movement of animals in a given region.

45.a) To which group of juicy fruits do mangoes and coconuts belong?

(b) How is the internal structure of a mango similar to that of a coconut?

(c) Give two other fruits which have a structure similar to that of mangoes and coconuts.

(i) _____

(ii) _____
46a) Give one way in which man acts as an agent of soil erosion.

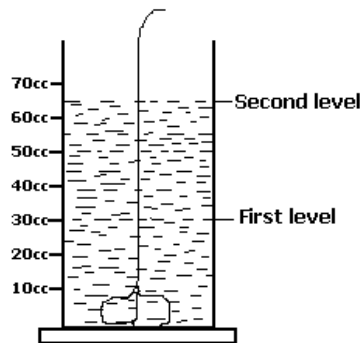
(b) How do cattle contribute to soil erosion?

(c) State any two ways of conserving land.

(i) _____

(ii) _____

47. The diagram below shows a method of finding volume. Use it to answer questions that follow.



(a) Name the method shown in the experiment above.

(b) If the mass of the stone is 45g, what is the density of the stone?
(2marks)

(c) Name any one instrument used to measure mass of objects.

48a) Apart from man and animals, mention two natural sources of sound.

(i) _____

(ii) _____

(b) State one reason why sound does not travel through vacuum.

(c) Mention any one reason why animals make sound.

49a) What is Zero-grazing?

(b) Give one reason why zero grazing is suitable in urban areas.

(c) State any two advantages of zero-grazing.

(i) _____

(ii) _____

50a) Mention any two permanent methods of birth control in males and females.

(i) males _____

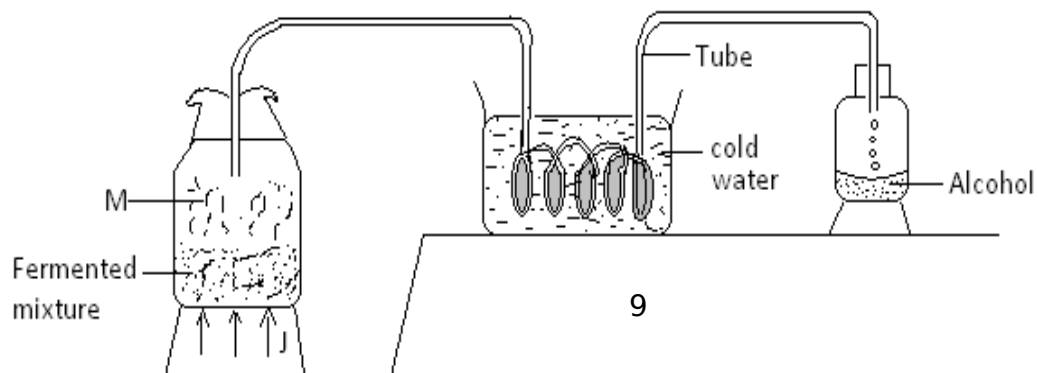
(ii) females _____

(b) State one benefit of good child spacing to the mother and her children.

(i) to the mother

(ii) to the children

The diagram below shows one of the methods of preparing alcohol.
Study and use it to answer question 51.



51a) Name the method shown above in the diagram.

(b) What do the arrows labeled J represent?

(c) Why is the coiled part of the tube dipped in cold water?

(d) Name the process which leads to formation of part M.

52.a) What is seed dispersal?

(b) Name two agents of seed dispersal.

(i) _____

(ii) _____

(c) State any one advantage of seed dispersal.

53a) Give the difference between scalds and burns.

(b) Mention any two causes of scalds at home.

(i) _____

(ii) _____

(c) State the First Aid recommended for people affected by scalds and burns.

54a) Below is an illustration of a process which occurs in plants. Study and use it to answer the questions that follow.

Carbon dioxide + water

starch + oxygen

(a) Name the process shown above.

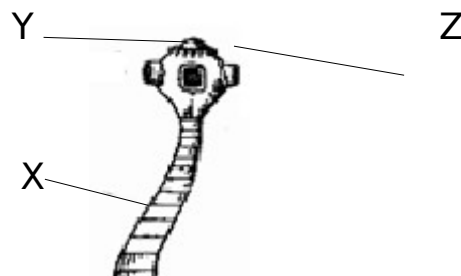
(b) Identify the two conditions needed for the above process to occur.

(i) _____

(ii) _____

(c) Name the by-product of the above process.

55. The diagram below shows part of an intestinal worm. Study and use it to answer questions that follow.



(a) Write the general name of part marked Z.

(b) Name the part marked X. _____

(c) State the use of part Y to the worm.

(d) State any one way the above worm enters the human body.

END