

SET NINE 2018
PRIMARY SEVEN
INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No.

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Candidate's Name: _____

Candidate's Signature: _____

School Name: _____

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

**FOR EXAMINER'S USE
ONLY**

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:

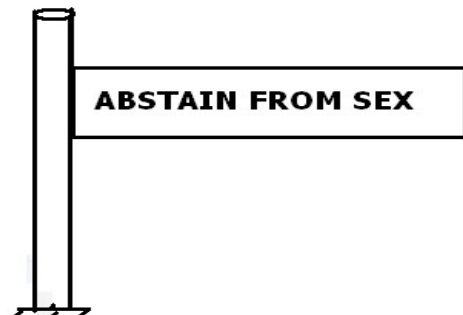
1. Mention any one type of chicken reared in your community.

2. State one characteristic that is common to both mammals and birds.

3. Give any one reason why people keep cattle.

4. State one reason why pregnant women should go for antenatal care.

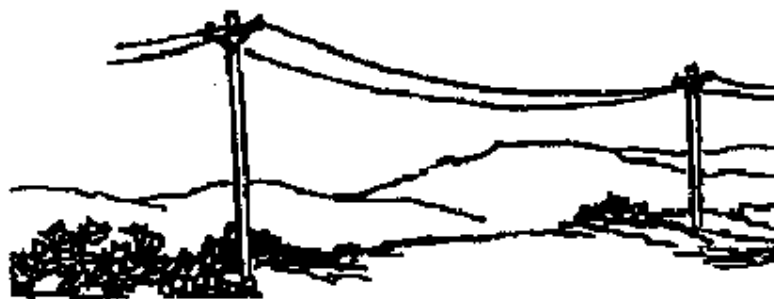
5. The diagram below is of a signpost. How is the message on the post useful to a P.7 pupil?



6. Why is humus a very important component of soil?

7. State one example of a spore bearing plant.

The diagram shows electric wires on poles. Use it to answer question 8.



8. Basing on the appearance of the wires, what was the weather of the atmosphere?

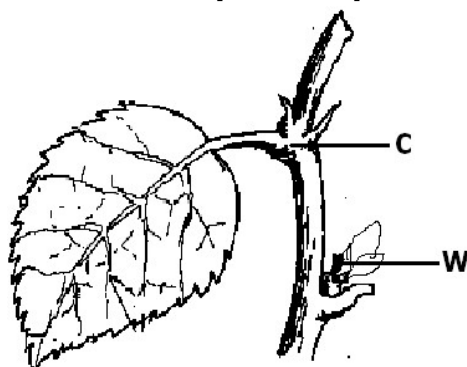
9. Why are the wires left sagging during installation?

10. Write down any one component of air.

11. Outline any one cause of dehydration to babies.

12. Give a reason why drinking water should be boiled.

The diagram below shows part of a plant. Use it to answer questions 13 and 14.



13. Name part marked C.

14. How is part marked W important?

15. Mention any one way of saving energy in our environment.

16. State one effect of smoking by a pregnant woman.

17. How is the Eustachian tube important to the ear?

18. Why are mango crops regarded as perennial crops?

19. How are the kidneys important in the body?

20. State one vector borne disease.

21. By what process does water change into ice?

22. Why was a toilet made in a way that after flushing water remains under the bowl?

23. Which body organ helps a P.6 girl to identify the best perfume to wear?

24. State any one anti-social behaviour at school.

25. Why is rusting of metals regarded as a chemical change?

26. State one fuel commonly used at home.

27. How can tapeworm infestation be controlled in our communities?

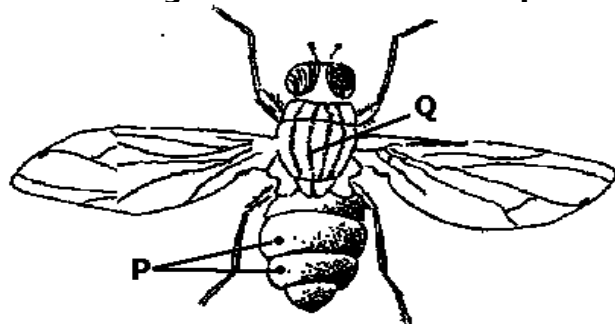
28. By what process does dust spread in the air after sweeping?

29. State the living organism necessary for the production of butter from milk.

30. Give one example of an ecto-parasite in goats.

31. State any one petroleum product.

Use the diagram below to answer questions 32 and 33.



32. Name part marked Q.

33. How is part marked P useful to the insect?

34. Write HIV in full.

35. Why is it important to recycle polythene wastes?

36. Mention one way of controlling mosquitoes while at the larva stage.

37. Why is Tuberculosis immunised at birth?

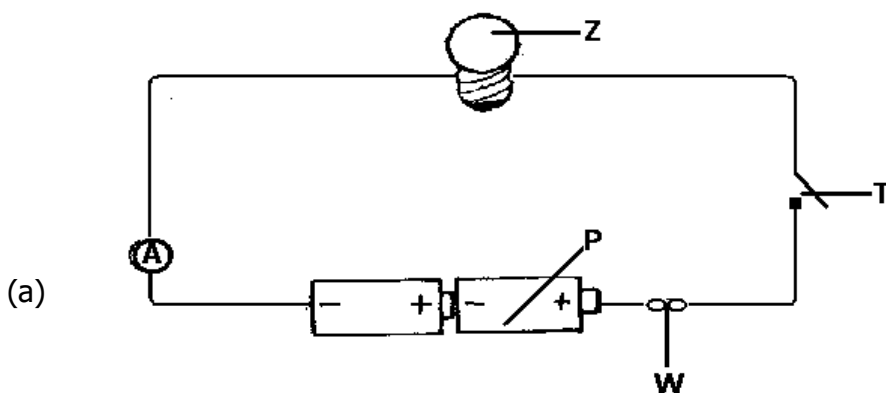
38. Mention the term used to describe the drugs used to treat common disease in a community.

39. State one way the appearance of arteries is different from that of veins.

40. How does afforestation conserve the environment?

Section B

41. **The diagram below shows a electric circuit. Use it to answer the question about it.**



- (b) How is part marked T useful to the circuit?

- (c) State one energy change that takes place at Z when the switch is closed.

- (d) Calculate the amount of voltage that was used in the circuit.

- 42(a) Write down the method used to make alcohol of a high concentration.

- (b) Give one reason why people take alcohol.

- (c) State one danger of alcohol to an individual.

- (d) Mention the law that forbids a P.7 child from taking alcohol.

- 43(a) How are the following bees important in a hive?
(i) worker bees

(ii) queen bee

- (b) Why is it that there are always very few drone bees in a hive?

- (c) How can man benefit from the presence of bees in the environment?

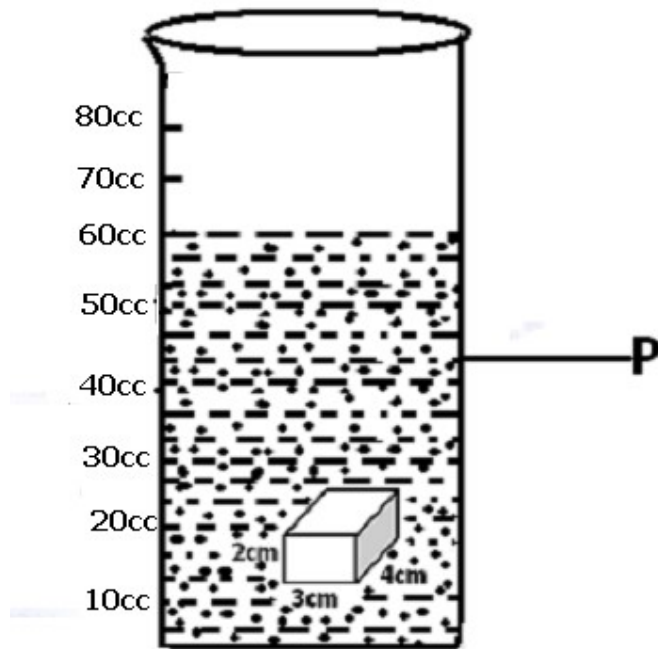
- 44(a) What is personal hygiene?

- (b) State two activities that can be carried out to promote personal hygiene.
(i) _____
(ii) _____
- (c) Single out any one item you can use to maintain your personal hygiene.

- 45(a) What is a skeleton?

- (b) State two ways in which a skeleton is useful to the body.
(i) _____
(ii) _____
- (c) Mention any disease that can affect the skeletal system.

46. The diagram below shows an experiment that was carried out in a science lesson. Use it to answer the questions that follow.



- (a) What method was used to find the volume of the cuboid?
-
- (b) Name container marked P.
-
- (c) At what level will water be when the cuboid is removed from the water in the experiment? (2 marks)

-
- 47(a) How is rain formation important in the environment?
-
- (b) State any one process that is involved in the rain cycle.
-
- (c) Name the clouds that are responsible for giving us rain.
-
- (d) Besides giving us rain, how else are such clouds mentioned in (C) above useful to man?

-
- 48(a) Define the following terms.

(i) Transplanting

(ii) Pruning

-
- (b) State the tool used during transplanting.
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- (c) Give one reason why farmers mulch their gardens.

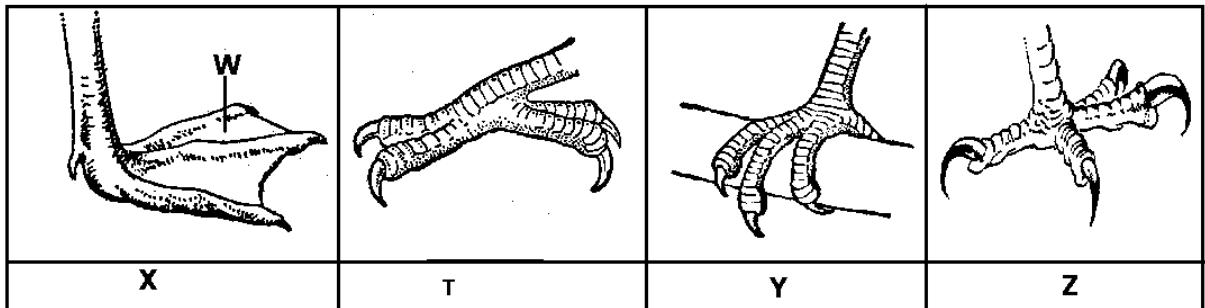
49(a) What is photosynthesis?

- (b) State any one condition necessary for photosynthesis to take place.

- (c) By looking at a plant, how can you tell that the plant is monocotyledonous one?

- (d) Name one plant that stores its food in the leaves.

50. **The diagram below shows feet of different birds. Use it to answer the questions that follow.**



- (a) Name part marked W on the foot marked X..

- (b) What does the bird with foot marked Z fed on?

- (c) Identify the group of birds with foot marked T.

- (d) State one group of a bird with foot marked Y.

51(a) Name two enzymes produced by the pancreas.

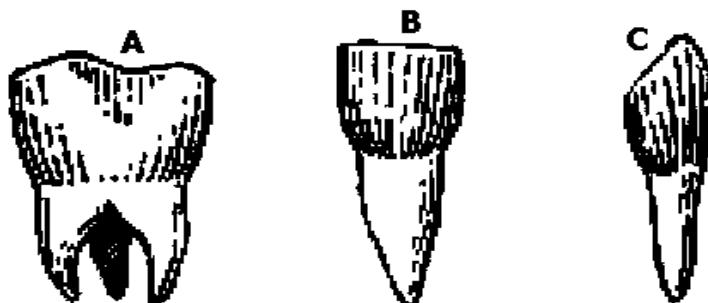
(i)

(ii)

- (b) How are the enzymes important in the body?

- (c) State any one characteristic of enzymes.

52. **The diagram below shows three different types of teeth. Use it to answer the questions that follow.**



(a) Name the tooth marked A.

(b) State the function of tooth marked C.

(c) How is tooth marked B adapted to its function?

(d) How many teeth should a normal adult person have?

53(a) What is food security?

(b) State two causes of food insecurity.

(i)

(ii)

(c) Mention one way you can ensure food security.

54(a) Mention one handling structure on a livestock farm.

(b) How is the structure mentioned in (a) above useful to the livestock farmer?

(c) Mention one type of fence used in cattle management.

(d) Give one reason why it is important to fence off livestock animals.

55(a) What is a foreign body?

(b) State the first aid you can give to a person who has a foreign body in the following body parts.

(i) eyes

(ii) throat

(c) Why is it important to give first aid?