



**STANDARD HIGH SCHOOL – ZZANA  
LINKED SCHOOLS EXAMINATION PROGRAMME**

**PRE-PRIMARY LEAVING EXAMINATION 2015  
INTERGRATED SCIENCE**

**2 HOURS 15 MINUTES**

Index No.									
-----------	--	--	--	--	--	--	--	--	--

Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

District :.....

**Read the following instructions carefully:**

1. This paper has **two** Section **A** and **B**.
2. Sections **A** has 40 questions and **B** has 15 questions.
3. Sections **A** carries 40 marks and Section **B** carries 60 marks.
4. Answer all questions in the space provided
5. Answers must be written in blue or black ink
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Unnecessary alterations of work may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated **“For Examiners’ Use Only”** and those inside the question paper.

**FOR  
EXAMINER'S  
USE ONLY**

<b>Qn. No.</b>	<b>Marks</b>	<b>Examiner's No.</b>
1 – 8		
9– 17		
18 – 26		
27 – 36		
37 – 40		
41 – 42		
43 – 45		
46 – 48		
49 - 51		
52 – 53		
54 – 55		
<b>TOTAL</b>		

*Turn Over*

**SECTION A (40 MARKS)**

**Question 1 – 40 carry one mark each**

1. Name the part of an insect that has legs

---

2. How is a duck able to swim in water?

---

3. Why should a farmer carry out thinning?

---

4. On which part of the eye is the image formed?

---

5. How does mulching increase soil fertility?

---

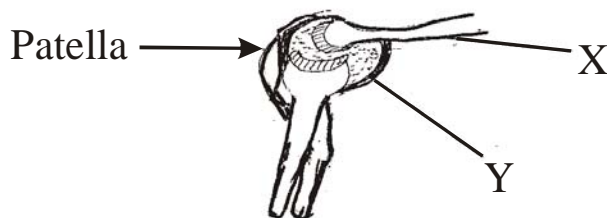
6. What is a resource?

---

7. Why is Vitamin C important in our diet?

---

**The diagram shows a movable joint. Use it to answer questions 8 – 10.**



8. Name the bone X. \_\_\_\_\_

9. What is the function of the structure Y.

---

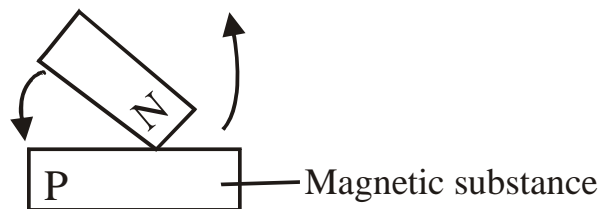
10. How is friction reduced on this joint?

---

11. Which part of a green leaf has the same function as the gills of a fish?

---

**Below is a method of making a temporary magnet.**



12. Name the method.

---

13. What pole will part **P** of the substance be after the experiment?

---

14. Give one way of destroying a magnet?

---

15. How does heat travel through a metallic nail?

---

16. How is bottled soda kept for long without getting bad?

---

17. Name the disease in human beings which causes watery stools with blood drops.

---

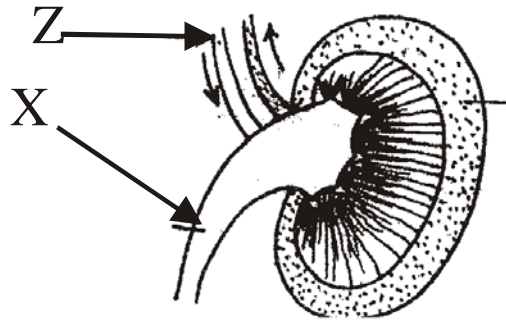
18. How is the disease in 17 above spread?

---

19. How does the sun help in the formation of rain?

---

**The diagram below shows a human kidney. Use it to answer the question 20 – 22.**



20. Name blood vessel Z. \_\_\_\_\_

21. Which substance is carried along part X?  
\_\_\_\_\_

22. Under which body system is the kidney?  
\_\_\_\_\_

23. Which stage in the life cycle of a butterfly is a crop pest?  
\_\_\_\_\_

24. Why are canine teeth sharp pointed?  
\_\_\_\_\_

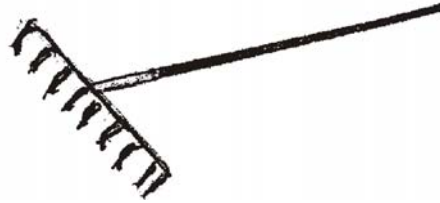
25. Give one way by which food can be contaminated.  
\_\_\_\_\_

26. Which disease are you likely to catch if you have an uncovered wound?  
\_\_\_\_\_

27. Mention the commonest way AIDS can spread among family members.

---

**The diagram shows a garden tool. Use it to answer questions 28 – 29.**



28. What is it called? \_\_\_\_\_

29. How does it help a gardener?

---

30. Why should an injured person be given First Aid?

---

31. What is the function of a pinna on a human ear?

---

32. Name one vice in poultry.

---

33. How can the above vice be controlled?

---

34. Apart from decomposition matter, what else makes up soil?

---

35. Which group of vertebrates have hair on their bodies?

---

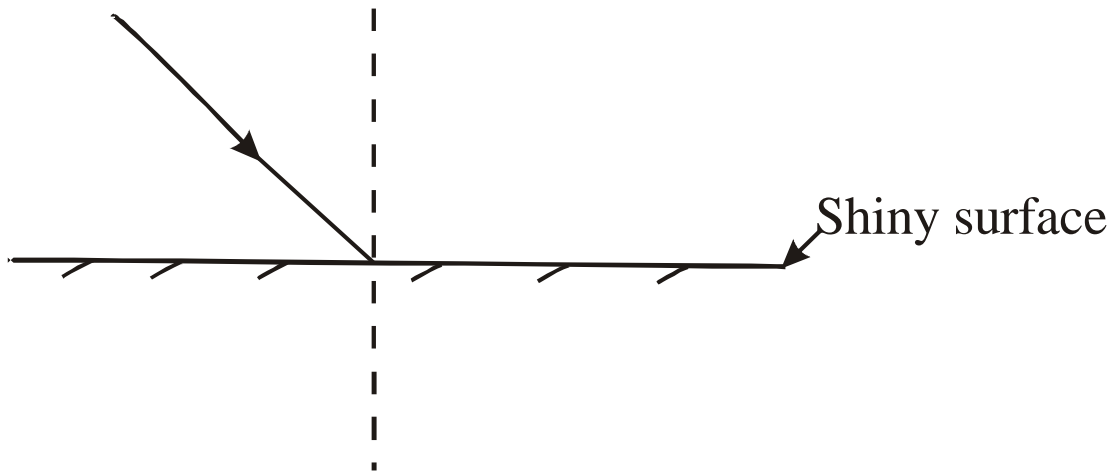
36. What is the role of a queen bee in a hive?

---

37. How can a person make sure there is a free air circulation in a VIP latrine?

---

**The diagram below shows a ray of light falling on a shiny surface.  
Use it to answer questions 38 – 39.**



38. Using a pencil, complete the diagram.

39. How does the property above help us in our daily life?

---

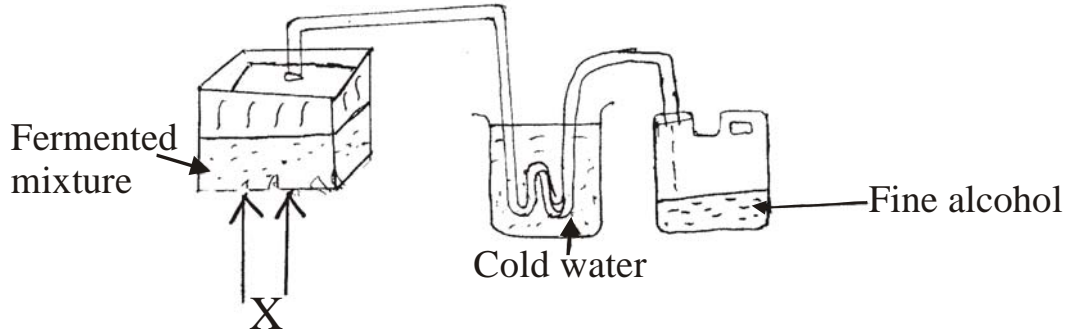
40. Why should we put an object in the mouth of a convulsing casualty when giving First Aid?

---

**SECTION B (60 MARKS)**

**(Questions 41 – 55 carry four marks each)**

41. The diagram below shows a method of making alcohol. Use it to answer the questions that follow.



a) What should be applied at X? \_\_\_\_\_

b) What is the use of the cold water?  
\_\_\_\_\_

c) What is this method called?  
\_\_\_\_\_

d) Give any other method of making alcohol.  
\_\_\_\_\_

42. Name the type of hair found in the nose.  
\_\_\_\_\_

b) What is the function of the hair?  
\_\_\_\_\_

c) Give two reasons why a member of a family must not smoke.

i) \_\_\_\_\_

ii) \_\_\_\_\_

43. Name the force that brings down a stone you throw in the air.

---

b) What happens when water is mixed with cooking oil?

---

c) Give a reason for your answer above.

---

d) State the difference between mass and volume.

---

44. Give any two reasons why we should brush our teeth.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Give any two functions of teeth in the food canal.

i) \_\_\_\_\_

ii) \_\_\_\_\_

45. What is pollination?

---

---

b) Give two types of pollination.

i) \_\_\_\_\_

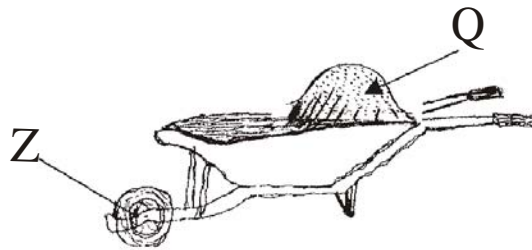
ii) \_\_\_\_\_

c) How does the use of chemicals in a garden affect pollination?

---



46. The diagram below shows a type of machine. Use it to answer the questions that follow.



a) Name the type of machine it belongs to. \_\_\_\_\_

b) Name part Z \_\_\_\_\_

c) Where can load Q be put in order to use less effort?  
\_\_\_\_\_

d) How can the moving parts of this machine be made to move easily?  
\_\_\_\_\_

47. What is Primary Health Care?

\_\_\_\_\_  
\_\_\_\_\_

b) Give two activities in a home that promote PHC.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) How does your school promote primary health care at the assembly?  
\_\_\_\_\_

48. Name any two products of cattle.

i) \_\_\_\_\_

ii) \_\_\_\_\_

49. What is an echo?

\_\_\_\_\_

b) Give any two ways in which echo is reduced in a theatre hall.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Where in nature is an echo useful?

\_\_\_\_\_

50. What is the major function of a mammalian heart?

\_\_\_\_\_

b) Give the function of each of the following in the blood.

i) White blood cells \_\_\_\_\_

ii) Plasma \_\_\_\_\_

c) How can anaemia be controlled?

\_\_\_\_\_

51. Match the weather instrument in A with its function in B.

**A**

Wind vane

Rain gauge

Anemometer

Barometer

**B**

Speed of wind

Atmospheric pressure

The amount of rainfall

Direction of wind

a) \_\_\_\_\_

\_\_\_\_\_

b) \_\_\_\_\_

\_\_\_\_\_

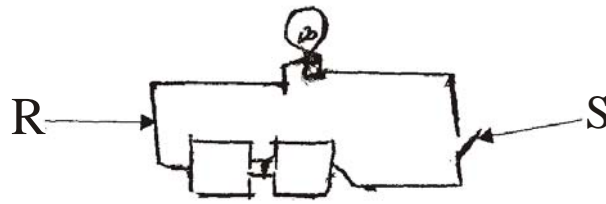
c) \_\_\_\_\_

\_\_\_\_\_

d) \_\_\_\_\_

\_\_\_\_\_

52. The diagram shows a simple electric path. Use it to answer the question that follow.



a) Name the parts R, S.

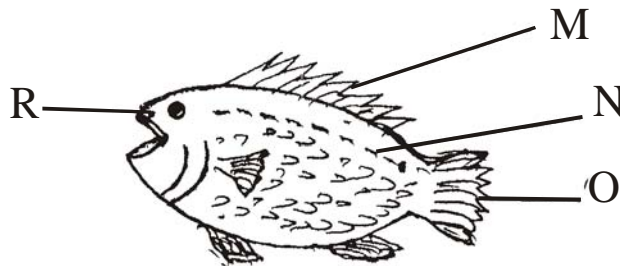
R. .... S. ....

b) Give two reasons why the bulb might not light?

i) \_\_\_\_\_

ii) \_\_\_\_\_

53. Below is a diagram of a fish. Use it to answer the questions that follow.



a) Name the parts M and N.

M \_\_\_\_\_

N \_\_\_\_\_

b) Give the functions of parts O and R.

O \_\_\_\_\_

R \_\_\_\_\_

54. What is immunity?

\_\_\_\_\_

b) Name any two types of immunity.

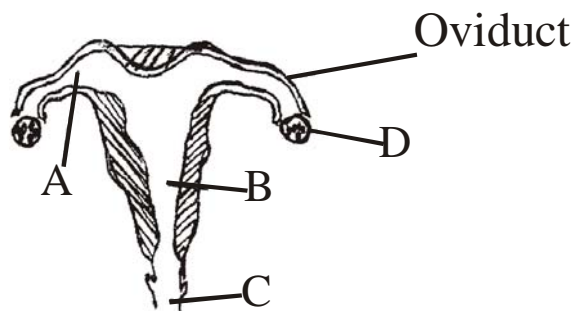
i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Which childhood immunisable disease affects the limbs.

\_\_\_\_\_

55. Study the diagram of a human reproductive system and answer the questions that follow.



a) Name the parts B and D and give their functions.

Part B \_\_\_\_\_

Function \_\_\_\_\_

Part D \_\_\_\_\_

Function \_\_\_\_\_