NEXT EXAMINATIONS BOARD

PRE-PLE SET 9 (RHINO)

Final Mark Scored	

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random NO.						Personal No.		

Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

Read the following instruction carefully:

1. Do not forget to write your **name** and **school name** anywhere on this paper.
2. This paper has **two** sections: **A** and **B** Section **A** has **40** questions and section **B** has **15** questions. The paper has **14 printed pages** altogether.
3. Answer **all** the questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: **"FOR EXAMINERS' USE ONLY"** and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
QN.NO.	**MARKS**	**EXR'S NO.**
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A: 40 MARKS

1. Name the deficiency disease that causes pale skin and white fingernails.

   .....

2. Give a reason why dew is able to be formed at night but not during day time.

   .....

   .....

3. State any **one** characteristic that makes a coco yam to be grouped under stem tubers.

   .....

   .....

4. Mention **one** reason why a kilogram of nails has greater density than a kilogram of leaves.

   .....

   .....

5. State the way in which the property of being less dense than water by ships affect them.

   .....

   .....

6. Write down any **one** how the use of solar electricity conserves the environment.

   .....

   .....

7. Sate any **one** way in which local salt is important to people.

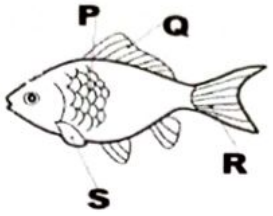
   .....

8. State any one reason why trees near electric power lines should be pollarded.

.....

.....

The diagram below shows a cold blooded animal. Study and use it to answer the questions 9 and 10.



9. Identify the part marked with letter **S** shown in the a above.

.....

10. State any **one** functional similarity between parts marked with letters **P** and **Q** .

.....

11. Mention the reason why sweet potato gardens are not mulched.

.....

.....

12. State any **one** way in which you can tell that the child has vitamin A deficiency in the body.

.....

13. Sate the importance of adding of cow dung in the compost pit.

.....

.....

14. Mention the reason why amphibians lay very many eggs.

.....

15. State any **one** benefit of growing crops together with trees on the same piece of land.

.....

16. State any **one** difference in structure between sand soil and clay soil.

.....

The diagram below shows a garden material. Study and use it to answer questions **17** and **18**.



17. State any **one** way in which the above garden material is useful to a farmer.

.....

.....

18. Mention the method of growing crops in which the above garden material is not used.

.....

.....

19. Give any one way in which rusting reduces the efficiency of some garden tools.

.....

.....

20. Identify any one method of controlling poultry vices without inflicting pain on birds.

.....

21. Give any **one** way in which you can produce static electricity in the classroom during an Integrated Science lesson.

.....

.....

22. Apart from balancing salt in the body, in which other way are kidneys useful in the body.

.....

.....

23. Mention any one characteristic of fungi.

.....

24. Give any **one** reason why most cattle farmers use herding method of grazing.

.....

.....

25. State any **one** way in which lungs are able to perform their function.

.....

.....

26. Give any **one** reason why people are encouraged not to over dry the washed clothes.

.....

.....

27. State the way in which leguminous crops make use of nitrogen gas.

.....

.....

28. Give any **one** reason why less effort is used when lifting the load in the first-class lever machines.

.....

29. State the way in which synovial fluid reduces friction at the joint.

.....

.....

30. Define the term respiration.

.....

.....

The diagram below shows a simple machine being used. Use it to answer question **31** and **32**.



31. Identify the class of levers to which the above simple machine belongs.

.....

.....

32. State any **one** application of principles of moments in our daily life.

.....

.....

33. Give any **one** reason why babies are given polio vaccine more than once.

.....

34. State any **one** factor that determines the strength of an induced magnet.

.....

.....

35. Apart from deforestation, give any **one** other factor that affect the production of hydroelectricity.

.....

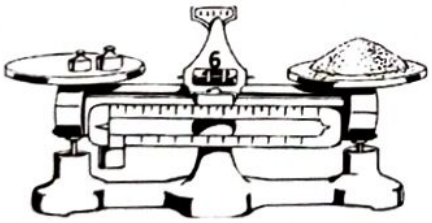
.....

36. Write down the way in which plants help to purify air in the environment.

.....

.....

The diagram below shows one of the machines used to measure weight of objects. Use it to answer question **37.**



37. Name the instrument shown in the diagram above.

.....

38. State any **one** way in which force of gravity is applied in our daily life.

.....

.....

39. Mention any **one** condition in which men can be grouped under vulnerable.

.....

.....

40. State one reason why the government of Uganda encourages full participation of every citizen during the National Cleaning Day

.....

.....

SECTION B:

41. (a) Write down **two** methods of artificial vegetative propagation.

(i) .....

(ii) .....

b) State any **two** factors to consider when selecting the seeds for planting.

i).....

ii).....

42. (a) Mention two ways of promoting oral health

(i) .....

(ii) .....

b) Identify the type of teeth that serves the same purpose as a grinding machine

.....

(c) Write down any one disease of teeth.

.....

43. The diagram below shows an equipment commonly found at school. Study and use it to answer the questions that follow.



(a) Name the equipment shown above.

.....

(b) Give **one** reason why the above equipment is always painted red.

.....

(c) State the reason why the above equipment is recommended to be in schools.

.....

(d)Why is carbon dioxide used in the above equipment not oxygen?

.....

44. Abdenour was not feeling well. When the nurse measured his normal temperature, it had dropped by 2^0c.

(a) What was the body temperature of abdunuuru.

.....

(b) Convert the body temperature above to Fahrenheit scale.

.....

(c) State any **one** difference between temperature and heat.

.....

.....

45. (a) Give the gestation period of a sow

.....

b) State any **two** ways of caring for pigs.

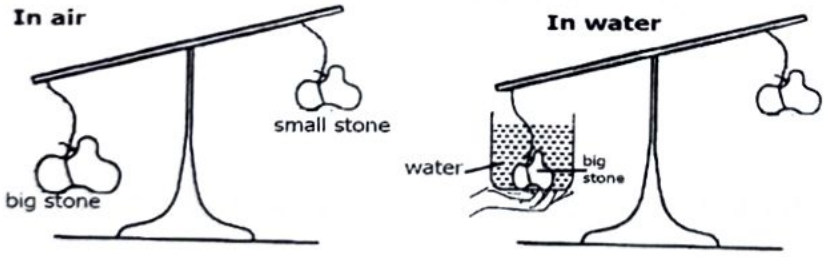
i. .....

ii. .....

b. Mention any **one** importance of teeth clipping in pig management.

.....

46. The diagram below shows an experiment carried out by p.7 pupils during a science lesson. Study and use it to answer the following questions.



(a) Identify the medium in which the stone weighs more.

.....

(b) Give a reason to support your response in number (**46a**) above.

.....

(c) Name the force that acts on the stone in water according to the above experiment.

.....

(d) State what the above experiment proves about measurements.

.....

47. State the function of each of the following parts of an onion plant;

(i)Foliage leaves:

.....

(ii)Adventitious roots:

.....

(b)Mention one advantage of planting onions using bulbs rather than Using seeds.

.....

(c)Write any one example of artificial vegetative propagation.

.....

48. (a) Name the germ that causes AIDS.

.....

b) Mention any **two** ways how AIDS is spread among people today.

i. .....

ii. .....

c) State any **one** way in which sexually transmitted diseases can be prevented among adolescents.

.....

49. (a) Name the fungal diseases whose signs are shown below;

(i) Wounds between toes:

.....

(ii) Sores on genital organs:

.....

b) Mention the component of air produced when yeast ferments sugar and oxygen in the dough.

.....

.....

c) State any **one** way of preventing fungal diseases in plants.

.....

50 The table below shows alloys, how it is made and its uses. Study and complete it correctly.

Name of alloy	**Metal combination**	**Its uses**
Brass	.....	Making ornaments.
.....	Copper +Zinc +Tin	Making medals.
Solder	Lead + Tin	.....
.....	Mercury + copper	Making dental caps

51 (a) Write down any **two** signs and symptoms of sleeping sickness.

(i) .....

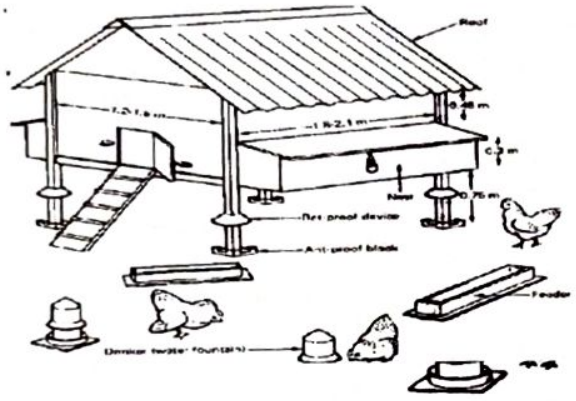
(ii) .....

Give any **two** ways of controlling the out break of sleeping sickness.

i) .....

(ii) .....

52. The diagrams below show a system of keeping poultry. Study and use it to answer the questions that follow.



(a) Name the system of keeping poultry shown above.

.....

(b) State any **one** reason why the above system of rearing poultry is commonly used in rural areas.

.....

(c) Give any **two** disadvantages of using the above system of keeping poultry.

(i) .....

(ii) .....

53. (a) Give any **two** examples of narcotic drugs.

(i) .....

(ii) .....

b) State any **one** effect of drug abuse to a community.

.....

c) State any **one** of controlling drug abuse among teenagers.

.....

54. You are provided with the following materials;

Electric stove, kettle, metallic cover and a mug.

Write **four** steps you will take to show the process of water cycle.

(i) .....

.....

(ii) .....

.....

(iii) .....

.....

(iv) .....

.....

55. (a) Mention any one method of making temporary magnets.

.....

b) State the way in which keeping magnets with iron keepers prevents demagnetization.

.....

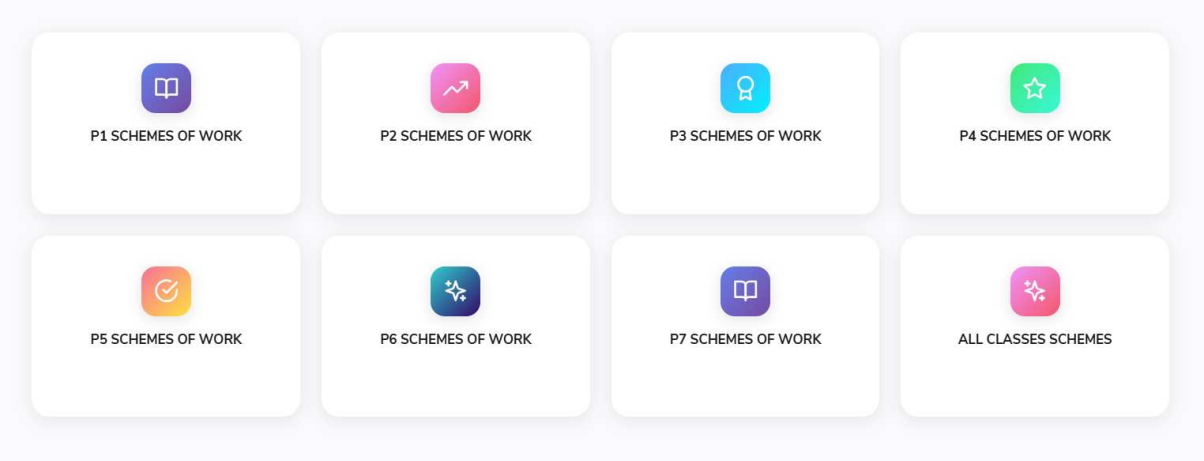
c) State any **two** ways how magnets are useful in our daily life

i).....

ii) .....

END

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