NEXT EXAMINATIONS BOARD

PRE-PLE SET 6 (FALCON)

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 **15 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

1. Name the force which makes passengers in a vehicle to move forward and backward when the driver suddenly applies the brakes.

   .....

2. Write down the modern process of killing germs in milk.

   .....

   .....

3. Give a reason why most toilets bowls are made of ceramics.

   .....

   .....

4. Give the reason why water does not have a definite shape.

   .....

   .....

5. How many doses of anti-tetanus vaccine is a pregnant woman supposed to receive?

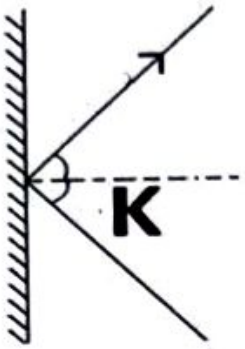
   .....

   .....

6. Why is it important for a school to have a school garden?

   .....

Study the diagram below and answer the questions that follow.



7. Complete the ray in the diagram above.

.....

.....

8. Name the angle labeled K in the above diagram.

.....

9. At what temperature does water become a solid?

.....

.....

10. How are viviparous animals different from oviparous animals?

.....

.....

11. Name the excretory organ that is affected by hepatitis disease.

.....

12. Besides protection, why are the fangs useful to a cobra.

.....

.....

13. Mention the group of birds to which the crested crane belongs.

.....

.....

14. Why is it not advisable to use water to put off fire caused by petrol?

.....

.....

15. Give one reason as to why drought is referred to as block in a food path.

.....

.....

16. Calculate the work done when force applied is 12kg and distance is 4cm.

17. What scientific name is given to liquid that conduct electricity?

.....

18. Give the importance of gall bladder in the digestive system

.....

19. Name the structure used by bacteria to locomote.

.....

20. How useful is a transformer in an electric circuit?

.....

.....

The diagram below is of a banana plant. Use it to answer questions 21 and 22.



21. Name the part named K.

.....

.....

22. Give a reason why some crop farmers intentionally burn bush on large scale as they prepare the seed beds

.....

23. Name the insect vector that breeds in fast flowing water.

.....

24. Name the form of energy produced by a germinating seed.

.....

.....

25. State the way scabies spread from one person to another?

.....

26. Where does chemical digestion start from in humans?

.....

27. Name the gas plants use at night?

.....

.....

28. What is the importance of lobsters and crabs to man?

.....

29. The hind legs of frogs and toads are longer than the fore legs. How is this important to them?

.....

.....

30. Name the energy resource form plants made by burning wood under limited supply of oxygen.

.....

31. Give the role of halters to a housefly.

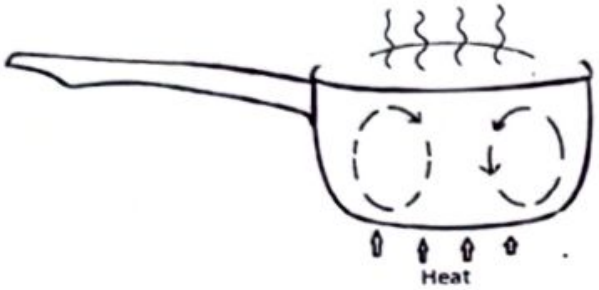
.....

32. Give a reason for blood screening before prescription

.....

.....

The diagram below shows water being heated form one end of the saucepan.



33. What does the diagram illustrated?

.....

34. Give one precaution u must consider when making magnets by stroking.

.....

.....

35. State the way plants purify the environment?

.....

36. Name the type of reproduction which involves the union of male and female gametes.

.....

37. Why do wind pollinated flowers produce a lot of pollen grains?

.....

38. Give a reason why some goat farmers carried out ear notching to their goats.

.....

.....

39. What scientific name is given to part of milk left after butter has been removed from it?

.....

.....

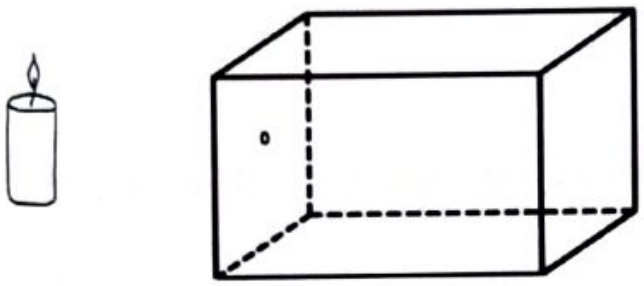
40. Write down one product obtained from petroleum.

.....

.....

SECTION B (60 MARKS)

41. The diagram below shows a pinhole camera. The image of the object in from has been formed on a screen.



a) Draw on the diagram the image of the object formed by the pinhole camera.

.....

b) Give three characteristics of images formed by a pinhole camera.

(i) .....

(ii) .....

(iii) .....

42. Rearing livestock is one way of fighting poverty in Uganda.

a) Name one example of livestock.

.....

.....

b) Mention any two problems faced by livestock farmers.

(i) .....

(ii) .....

c) How can rearing livestock help to fight poverty?

.....

43. a) Give two causes of soil exhaustion.

(i) .....

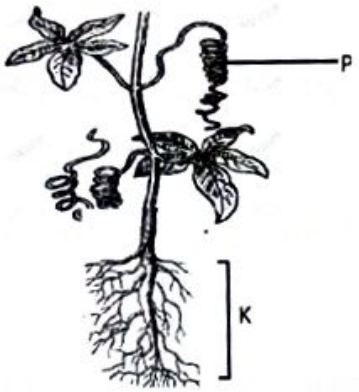
(ii) .....

b) State two ways of controlling soil exhaustion

(i) .....

(ii).....

44. The diagram below is of a garden peas.



a) Name the structure labeled P.

.....

b) What is the function of the structure you have named above?

.....

.....

c) What type of venation do the leaves above have?

.....

d) Name the plant system that makes up part marked K.

.....

45. a) Which process enables the liver to make poisonous substances of metabolism harmless?

.....

.....

b) Write down any one toxic material made harmless by the liver.

.....

c) How can you as P.7 candidate care for the liver?

.....

d) Name one disease that affects the human liver.

.....

46. Use the diagram below to answer questions that follow.



a) What does part Q lead to?

.....

(b) Letter Z shows a developing baby 6 months old. What is it called at that age?

.....

.....

c) What do you call babies who are produced from?

(i) One fertilized egg?

.....

(ii)Two different fertilized eggs?

.....

47. What do the following animals use as weapons?

i) Elephants.....

ii) Dogs.....

iii) Bulls.....

iv) Scorpion.....

48. a) Complete the table below correctly.

Agrochemicals On a livestock farm	Role
i) antibiotic	
ii) mabendazole	
iii) amistraz	
iv) iodine solution	

49. a) Give term is used to refer to a recovering patient undergoing treatment?

.....

.....

b) Write down two ways of caring for a person in (a) above.

.....

.....

c) Give one way of caring for sick people.

.....

.....

50. a) State one chemical methods of controlling weeds in the garden.

.....

b) Mention any two uses of weeds to people.

.....

.....

c) State one way weeds dangerous to crop farmers?

.....

51. a) Name the mammal that spends its life both in water and on land.

.....

b) Mention the fat layer that helps to keep the whale warm in water.

.....

c) Give a reason why spiny-anteater is special from the rest of other mammals.

.....

d) Name the mammal that moves by flying.

.....

52. a) Give the meaning of the following terms;

(i) Photo.....

(ii) Synthesis.....

(b) How are the following useful during photosynthesis?

i) Sunlight.....

ii) Chlorophyll.....

53. a) Give the difference between Hand milking and Machine milking?

.....

.....

(b)Write down three procedures taken by dairy farmer in the preparations for milking.

i) .....

ii) .....

iii) .....

54. You are provided with the following materials; iron filings, a piece of paper and a bar magnet, use them to prove that magnetism is strongest at the poles.

.....

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



a) To which group of simple machine does it belong?

i).....

ii).....

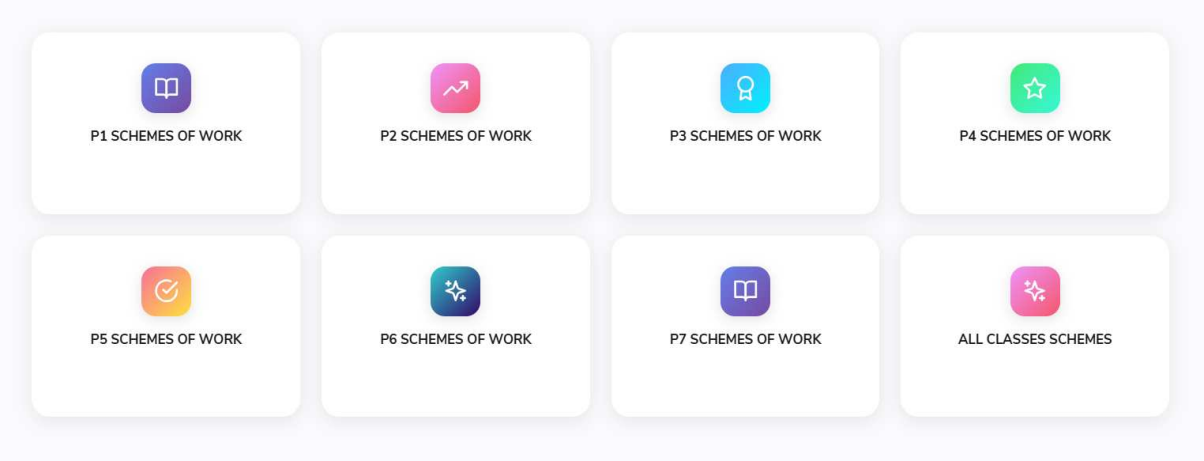
b) How is the above garden tool useful to young farmers at school?

.....

c) Mention any two ways of protecting the above garden tools from rusting.

.....

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