



THE DREAM EDUCATION CONCERN

PRE-PLE SET V

INTEGRATED SCIENCE

Time allowed 2 hours & 15 minutes

Candidates' Name:

School:

Candidates' Signature:

INDEX NO

| Random Number | | | | | | Personal No. | | |
|---------------|--|--|--|--|--|--------------|--|--|
| | | | | | | | | |

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully

1. This paper is made up of 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 in both sections A and B.

5. All answers MUST be written in the space provided in blue or black ball point pens or ink. All diagrams Should be in pencil.

6. Unnecessary crossing of answers will lead to loss of Marks.

7. Poor hand writing which cannot be easily read, may lead to loss of marks.

FOR EXAMINERS' USE ONLY

| Qn. No | MARKS | SIGN |
|--------|-------|------|
| 1- 10 | | |
| 11-20 | | |
| 21-30 | | |
| 31-40 | | |
| 41-46 | | |
| 47-48 | | |
| 49-51 | | |
| 52-53 | | |
| 54-55 | | |
| TOTAL | | |

Approved
CCD

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THE PUBLISHERS OF QUALITY ASSESSMENTS, WORKBOOKS, COMPANION BOOKS, PLE REVISIONBOOKS, HOLIDAY PACKAGES, TEACHER'S TRAINING, CUSTOMISED HOLIDAY PACKAGES, REPORT CARD PRINTING AND OFFLINE SCHOOL MANAGEMENT SYSTEM

SECTION A (40 MARKS)

1. Name any one example of insect pest.

.....

2. What kind of change takes place when ice melts to form water?

.....

3. How can you increase milk production in a dairy cow?

.....

4. Give any one reason for making alloys.

.....

5. Give one reason why animals move from one place to another.

.....

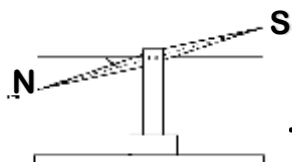
6. Give one factor considered when choosing a site for an apiary.

.....

7. Give one way in which animals are important in the process of photosynthesis.

.....

8. What property of magnets is described by the diagram below.



.....

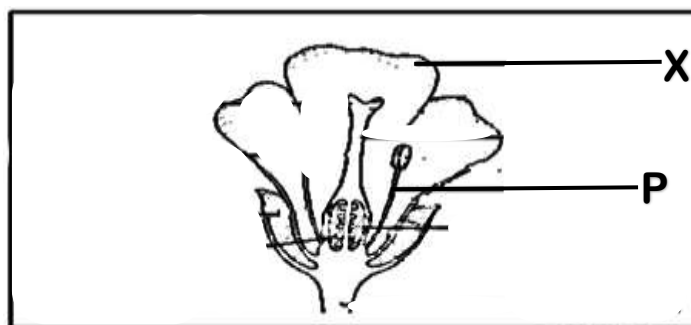
9. Why is a maize grain grouped under monocotyledon seeds?

.....

10. What is the use of gills in a mushroom

.....

The diagram below is of a flower, use it to answer the question that follows.



11. What does the part labelled Y become after fertilisation?

.....

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12. Name the part marked M.

13. What is the use of part marked X to the flower?

14. Give any one characteristic of image formed on a plane mirror.

15. Suggest any one reason why people drink alcohol.

16. Mention one disease which makes a person to pass out watery stools with blood.

17. State the difference between mass and volume.

18. Give any one way how wind is used as a resource.

19. What are enzymes?

20. Which part of a human tooth contains blood capillaries and nerve endings?

The diagram below shows a glass with water and a straight pencil in it study it to answer question 21



21. What causes the above pencil to appear bent?

22. Explain the difference between temperature and heat.

23. Give one reason why parents should take their children for immunisation.

24. State one reason why distilled water not good drinking yet is said to be safe water.

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25. In which way is a person who is suffering from HIV different from a person who has developed AIDS?

26. Explain why sand soil cannot retain water like clay soil.

27. State one agent which is responsible for dispersing mango seeds.

28. How is absence of Iodine harmful to our bodies?

29. In one way, state how a pool of water near our homes may become a source of malaria.

30. Identify the type of brooder shown in the diagram below.



31. State any one reason why human beings breathe in.

32. Give one cause of poisoning in our communities.

Study groups of animals below and answer questions 33 and 34

Snail, Slugs, Worms, Star fish, Sea urchins,

33. Which type of skeleton are the above animals having?

34. Define the above named type of skeleton.

35. What type of farming should a farmer use in order to harvest both crops and wood.

36. Give the function of the micropyle to a germinating seed.

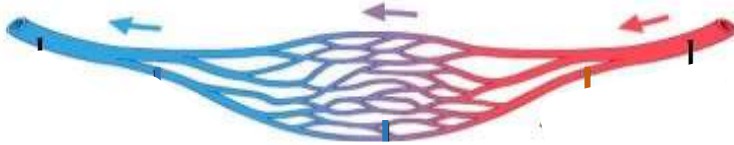
37. Mention any one difference between the frog and toads.

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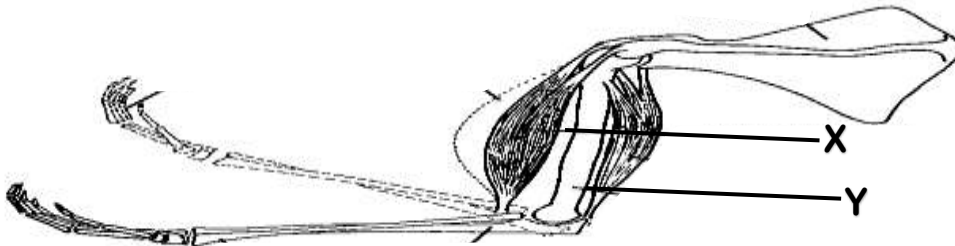
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38. What is the function of the structure drawn below?



39. Give any one sign and symptom of kwashiorkor.

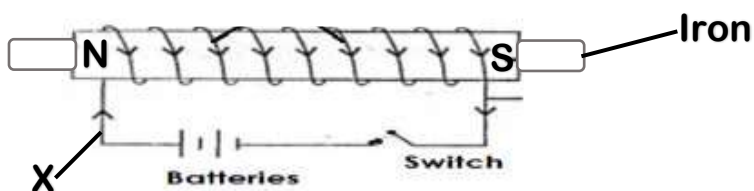
.....
Use the diagram below to answer the questions below.



40 Give the difference of what happens to muscle X and Y when the arm is straight.
.....

SECTION B (60 MARKS)

41. Study the diagram below and answer the questions that follows.



(a) Name the part marked X on the diagram above.
.....

(b) Name the magnet made by using the electric method above.
.....

(c) State any one factor that determines the strength of an electro magnet
.....

(d) Suggest any one way of increasing the strength of an electro magnet.

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.....
42. (a) Name two natural resources in the environment that enables green plants to make their own food.
.....

(b) What name is given to the process above?
.....

(c) State the gas which is given off during this process.
.....

43. (a) What is juvenile delinquency?
.....

(b) State any two ways of controlling ant-social behaviours.
.....

(c) Mention any one example of ant-social behaviours.
.....

44. Use the diagram below to answer the questions that follows.



(a) What name is given to the above equipment?
.....

(b) Why is the above equipment always painted with bright colours?
.....

(c) Name the gas which is used in the above equipment.
.....

(d) Give the reason to support your answer in c above.
.....

45. (a) In human reproductive system, state where each of the following process take place.

(i) Production of female hormones
.....

(ii) Production of sperms
.....

(iii) Implantation
.....

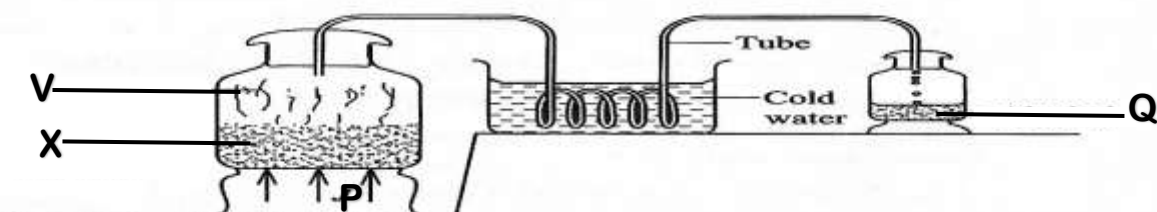
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(b) State the function of placenta to the foetus during pregnancy.

46. Below is a controlled system showing local distillation method. use it to answer the questions that follows



(a) Name the method used in the above diagram.

(b) Name the content marked X.

(c) Why is the tube coiled?

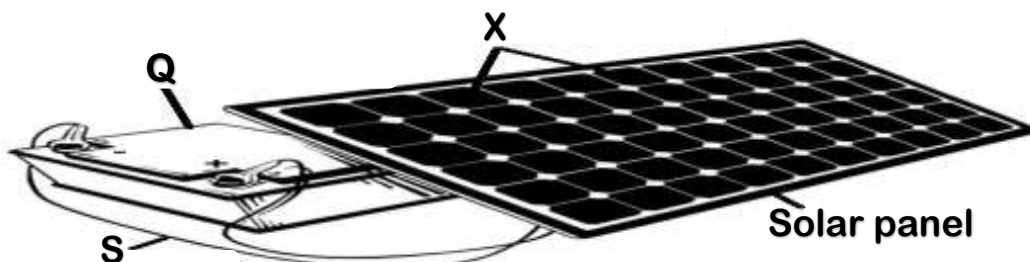
(d) What is the scientific name for alcoholic content marked Q?

47. (a) A gear wheel X has 80 teeth and gear wheel V has 40 teeth, how many turns will gear wheel X make in one revolution.

(b) Give any two uses of gear wheels.

(c) Define belt drivers.

48. Study the diagram below and answer the questions that follows.



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(a) State the function of part marked;

(i) S.....

(ii) Q.....

(b) Give one reason a solar panel is painted black.

(c) Name the part marked S.

49. (a) Give one reason why it is not good to apply soil or cow dung on any burnt of our skin.

(b) State any two reasons why a burn or a scald part of our skin dipped into cold water.

(i)

(ii)

(c) Suggest one way of avoiding burns and scald while carrying hot objects.

50. (a) Define a health survey.

(b) Write any one information gathered during a health survey.

(c) Give any importance of elemography.

(d) Mention any one kind of information gathered about population.

51. (a) Name any two of the 5Rs in waste management.

(i)

(ii)

(b) State any two effects of waste management.

(i)

(ii)

52 (a) Give any one reason why a rabbit house is raised above the ground.

(b) State any two things that should provide to rabbits in the hutch.

(i)

(ii)

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(c) Give any one reason why wire mesh is used in building the hutch.

53. (a) Nantumbwe is a tobacco grower, state any two ways how she can identify the pests affecting her garden of tobacco.

(i)

(ii)

(b) Identify any one way Nantumbwe can control pests and diseases on her farm.

(c) Name any one harmful substance found in Nantumbwe's crops.

54. Study the table below and complete it carefully. relate the body organs to their system of the body and their function.

| ORGANS | SYSTEM | ORGAN FUNCTIONS |
|----------|--------------|---------------------------|
| | Circulatory | |
| | Reproductive | It stores sperms |
| Pancreas | | Produces pancreatic juice |

55. (a) What is the importance of fruits in our diet?

(b) Give any one reason why people include proteins in their diet.

(c) Suggest any two ways of protecting children from malnutrition.

(i)

(ii)

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