



THE DREAM EDUCATION CONCERN

PRE-PLE SET III INTEGRATED SCIENCE

Time allowed 2hours & 15minutes

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

TRUST THE DREAM EDUCATION CONCERN. P7 INTEGRATED SCIENCE PRE-PLE. SET 3. 2024 EXAMINATION

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SECTION A (40 MARKS)

1. Which vaccine is given to babies at the age of 36 weeks?

.....

2. Name the electrolyte which is used in wet cells.

.....

3. Which part of an egg holds the egg into central position?

.....

4. Outline any one condition which is needed for germination to take place.

.....

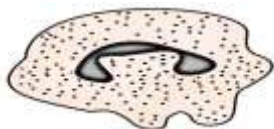
5. In one way, mention how long thin legs are important to wading birds.

.....

6. State one importance o a kink on a clinical thermometer.

.....

7. Name the blood cell below.



.....

8. Write PIASCY in full.

.....

9. Find the force applied to over come the load of 50kg using a single fixed pully.

10. Why do bees swarm?

.....

11. Draw any one symbol which is used in an electric circuit.

.....

12. Suggest any one composition of poultry feeds.

.....

13. How important is iron in our blood?

.....

14. State any one quality of essential drugs.

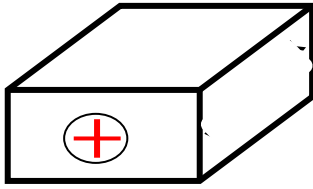
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15. Suggest the name for the structure below.



16. What scientific term is used to mean the method of separating solid particles from liquids?

17. On which body part is BCG vaccine administered?

18. Mention any one poultry vice you know.

19. In which chamber of ruminants' stomach is food digested?

20. What type of electricity is lightening?

21. Of what importance is the rings cartilages of the trachea in respiratory system?

22. Suggest one method of de-horning animals.

23. Suggest any one example of communicable diseases.

24. Outline any one difference between dicotyledon and monocotyledon seeds.

25. What do you understand by the term Implantation.

26 Give any one part of the body which protects the delicate parts of the body.

27. Define a foreign body.

28. What causes Hepatitis B?

29. How do fungi reproduce?

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30. How are canines different from incisors in terms of their function?

31. Which type of energy is possessed by water in the reservoir?

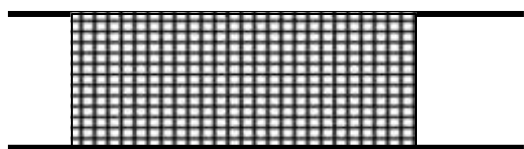
32. Name the type of electricity which is generated by coal.

33. State any one importance of values found in the veins.

34. Give any one example of abiotic environment.

35. Define pruning.

36. Name the structure below.



37. What name is given to a young rabbit?

38. Suggest any one characteristic of swimming birds.

39. Outline any one example of constrictors.

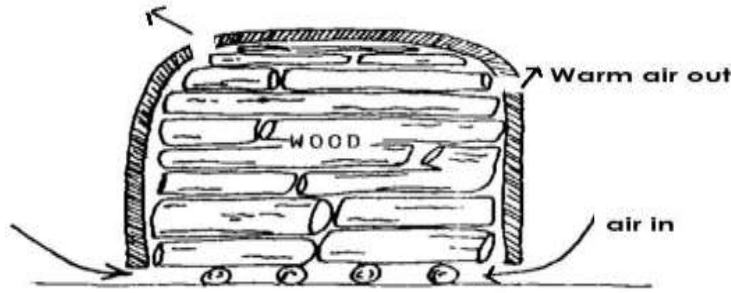
40. Mention any one advantage of traditional bee hive.

SECTION B

41. (a) Why is efficiency of a machine always less than 100%?

(b). Calculate the efficiency of a machine whose effort is 30N and moved in a distance of 15m to over come a load of 120N through a distance of 3m.

42. Study the diagram below and answer the questions below.



(a) Why is the heap of wood covered with soil?

(b) How is charcoal obtained?

(c) What happens if wood is burnt in plenty of oxygen?

(d) How does the cutting of wood for charcoal affects the environment?

43. (a) Define primary health care (P.H.C).

(b) Write down any two elements of P.H.C (Primary Health Care).

(c) State any one principle of P.H.C.

44. Define sound.

(b) Write any one factor which determines the pitch of sound.

(c) State the function of the following parts on the human ear.

(i) Eustachian tube

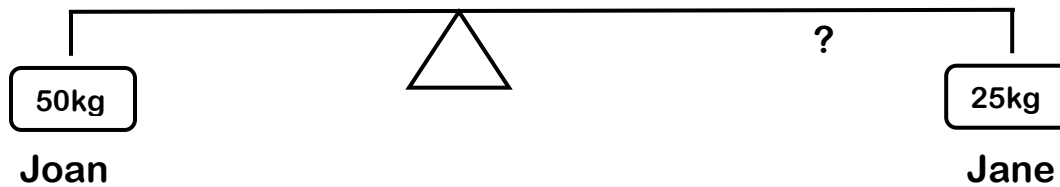
(ii) Auditory Nerve

45. Name the vector which spread typhus fever.

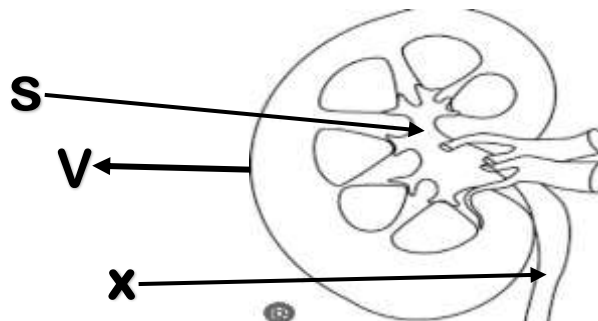
(b) Suggest any two signs of river blindness.

(c) Mention the worm which causes bilharzia

46. Joan is 50kg. she sits 4cm away from the fulcrum to balance with Jane who weighs 25kg on a see-saw. Use the diagram below to determine how far Jane sat.



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



(a) Name the part marked

X –

V –

(b) What is the function of the part marked

V

S

48. (a) Mention any two poisonous substance which are found in tobacco

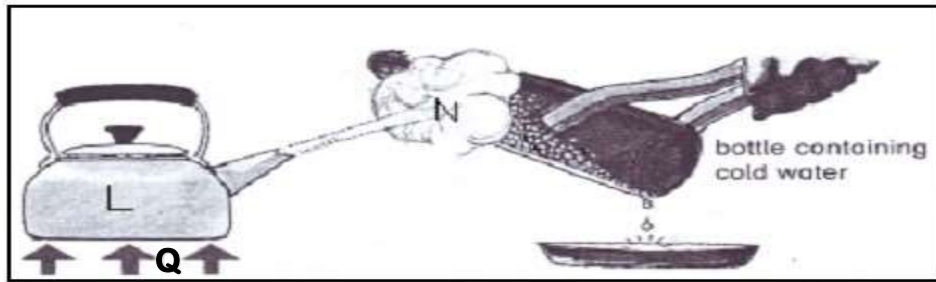
(i) (ii)

(b) Suggest any two effects of smocking to an individual.

(i)

(ii)

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



(a) What process is taking place at L?

(b) What is the importance of features marked Q.

(c) What type of rainfall is described above?

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

50. (a) Define the term sexual deviation.

(b) Write down any two examples of sexual deviations you know.

(i) (ii)

(c) What scientific term is used to mean the feeling of sexual attraction of a dead body?

51. If Wagonero heard a gun shot sound four seconds. How far was the firing point?

52. (a) What is fainting?

(b) State any one cause of fainting.

(c) Suggest any one condition that can lead to fainting.

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(d) Why are legs of a person who has fainted raised higher than the head?

53. Apart from brushing our teeth, name any other way of cleaning them.

(b) What does the term flossing mean?

(c) Outline any two diseases which affect the teeth

(i) (ii)

54. (a) Of what importance are root nodules to the soil?

(b) is the breaking down of big lumps of soil which are left after ploughing

(c) Describe the farm practice in the diagram.



(d) State any one advantage of plants training.

55. (a) What does the term Agro-forestry mean?

(b) State any two importance of Agro-forestry.

(i)

(ii)

(c) How do trees purify air in the environment?

THE DREAM WISHES YOU SUCCESS AS YOU WATCH OUT FOR SET FOUR

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