



BROAD EXAMINATIONS®

P.7 INTEGRATED SCIENCE EXAMINATION PRE-PLE TRIAL SET III 2023

Time allowed: 2 hours 15 minutes.

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

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 and ink. **Only diagrams should be done in pencil.**
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which cannot be easily read, may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for Examiners' use only.

FOR EXAMINER'S USE ONLY

PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
TOTAL		

Teacher's comment to the learner

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Approved by:

Agnes

Team Head Science Dept.

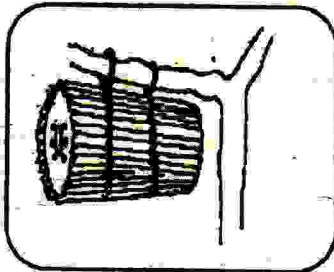
PLE REVISION TIPS FOR SELF STUDY

Revise topics of P.5 term 2; Components of the environment (soil), Matter and Energy, Growing tuber crops and Bacteria and fungi.

SECTION .A. (40 Marks)

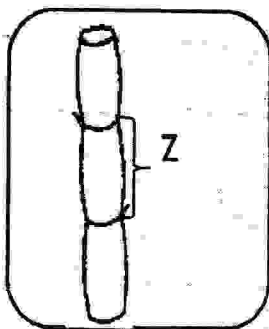
1. Name the fungal disease associated with wearing wet stockings.
2. In which way are blackflies harmful to human health?

The diagram below shows a bee hive. Use it to answer question 3.



3. Name the bee hive in the diagram above.
4. Mention one condition of weather that helps farmers to separate seeds from dust.
5. How is a moth useful to a crop farmer?
6. What happens to the density of water after freezing?
7. Which part of the electric bell bangs the gong to produce sound?
8. Write down any one function of the human skeleton.

The diagram below shows part of a sugarcane. Use it to answer question 9.



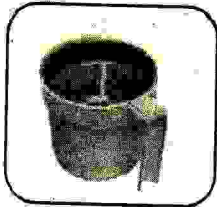
9. Name the part of a sugarcane marked Z.
10. State any one characteristic of crustaceans.
11. Give any one way of storing vaccines properly.

12. Why should married couples go together for treatment in case one has gonorrhoea?

13. Give any one example of electrical conductors.

14. Name the practice done in banana plants with heavy bunches of fruits to protect them from getting damaged by wind.

The diagram below is of a tool used on a dairy farm. Use it to answer question 15.



15. How is the tool in the diagram above useful on a dairy farm?

16. Apart from spinny ant eater, mention one other example of monotremes.

17. How is cortex important in the human kidney?

18. Give one way mucus is important in the linings of the alimentary canal.

19. State any one way some flowers are adapted to self-pollination.

20. Give a reason why glass is grouped under transparent objects.

21. State any one characteristic of essential drugs.

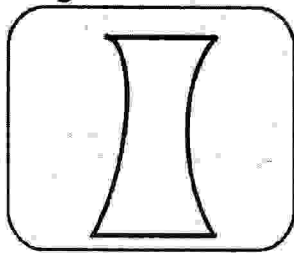
22. State the difference in formation between coal and petroleum.

23. In which way are food taboos sometimes dangerous to human health?

24. State one way biological changes are important to living things.

25. State any one external feature of a male domestic fowl (cock).

The diagram below shows a lens. Use it to answer question 26.



26. How does the above lens affect a parallel beam of light?

27. How are rat guards useful on a granary?

28. State the energy change that takes place in an electric bulb when the switch is closed.

29. Give one way humans acquire artificial immunity.

30. State the reason why sheep shearing should be done during the dry season.

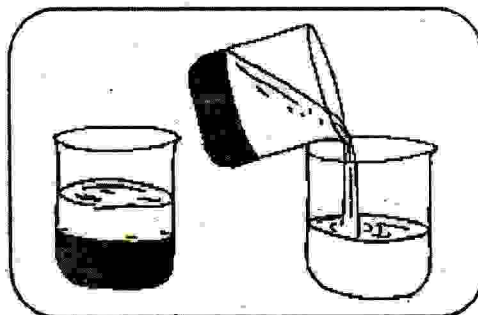
31. Mention any one way of obtaining clean milk from cows.

32. Give one reason why blood flows to the lungs before it is pumped by the heart to all body parts.

33. Write down a reason why the floor of a sty is built with slanting floor.

34. Name any one disease of the human teeth.

The diagram below shows a method of removing solid particles from water. Use it to answer question 35.



35. Name the method of removing solid particles from water shown above.

36. What makes farmers carry out gap filling in crop growing?

37. Write down any one principle of Primary Health Care.

38. State the difference in leaf venation between dicotyledonous and monocotyledonous plants.

39. Give one reason why it is not good to eat too much food at the same time.

40. Where does fertilization take place in flowers?

SECTION .B. (60 Marks)

41. (a) State any two adaptations of birds to flight.

(i) _____

(ii) _____

(b) Give one reason why an ostrich is unable to fly.

(c) Which feature on a bird's body can tell you the type of food the bird feeds on?

42. The table below shows deficiency diseases and parts of the body they affect. Study it carefully and match them correctly.

LIST A

Rickets

Night blindness

Scurvy

Goitre

LIST B

Neck

Gums

Limbs

Eyes

(i) Rickets _____

(ii) Night blindness _____

(iii) Scurvy _____

(iv) Goitre _____

43. (a) Why are bacteria said to be microscopic organisms?

(b) How are bacteria useful in soil formation?

(c) Name any two childhood immunisable diseases caused by bacteria.

(i) _____

(ii) _____

44. (a) What is demagnetization?

(b) Mention any two ways of demagnetization.

(i) _____

(ii) _____

(c) Give one way magnets are prevented from losing their magnetism.

45. (a) State the excretory function of the liver.

(b) Mention two other functions of the human liver.

(i) _____

(ii) _____

(c) Name one social habit that damages the liver.

46. (a) Name the germ that causes HIV/AIDS.

(b) State the commonest way through which HIV/AIDS is spread.

(c) Which childhood immunisable disease shows similar signs to those of HIV/AIDS?

(d) Mention the best way of preventing schoolchildren from contracting HIV/AIDS.

47. (a) Write down any two signs of worm infestations in human beings.

(i) _____

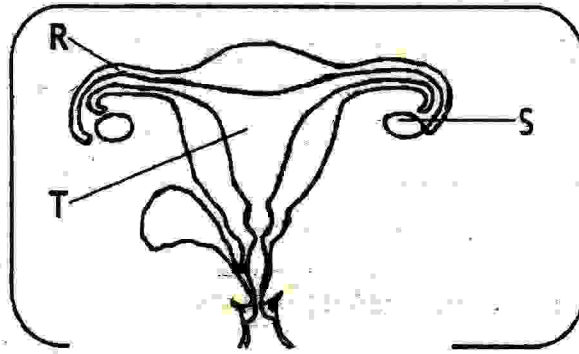
(ii) _____

(b) Give any two ways of controlling/preventing worm infections in human beings.

(i) _____

(ii) _____

The diagram below shows female reproductive system. Use it to answer question 48.



48. (a) Name the parts marked;

(i) R _____

(ii) T _____

(b) State any one function of part marked S.

(c) What important process takes place in part marked T?

49. (a) State any two effects of refraction of light.

(i) _____

(ii) _____

(b) Mention an example of light spectrum in nature.

(c) Name the colour of a natural spectrum that appears at the bottom.

50. (a) State the first two steps taken in cleaning clothes.

(i) _____

(ii) _____

(b) State one danger of washing clothes using dirty water.

(c) Which method of heat transfer helps in ironing of clothes?

51. (a) In which two ways is mass different from weight?

(i) _____

(ii) _____

(b) Give one reason why objects weigh less in water than what they weigh on land.

(c) State any one factor that affects weight of objects.

52. (a) How is a generator useful in the production of hydroelectricity?

(b) State two ways of increasing the voltage of a generator.

(i) _____

(ii) _____

(c) Apart from a generator, state one other device that uses a magnet to produce electricity.

53. (a) Why should breastfeeding mothers take more fluids?

(b) Write two examples of food stuffs used to feed weaning babies.

(i) _____

(ii) _____

(c) State one advantage of breastfeeding to a mother.

54. (a) Mention two scales used in measuring temperature.

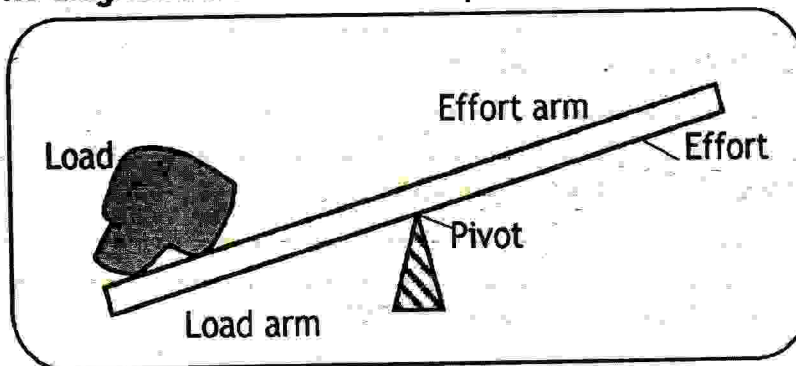
(i) _____

(ii) _____

(b) Why do doctors shake clinical thermometers before using them on their patients?

(c) State one reason why mercury is a preferred liquid for use in clinical thermometers.

The diagram below shows a simple machine. Use it to answer question 55.



55. (a) Name the above machine.

(b) Give a reason why the above tool is grouped under first class levers.

(c) State the role of pivot in using the above machine.

(d) How can a person overcome the load with less effort when using the above machine?

END