



THE PRIME EXAMINATIONS 2024

P.7 BEGINNING OF TERM I INTEGRATED SCIENCE

Time allocated 2 hours 15 minutes



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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- This paper has two sections: A and B. Section A has 40 questions (40 Marks) and Section B has 15 questions. (60 Marks)
- Answer **ALL** questions. All answers to both sections A and B must be written in the spaces provided.
- All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
- Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss** of marks.
- Do not fill anything in the table indicated
"FOR EXAMINERS' USE ONLY"

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QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

[Signature]
Consultant

Integrated Science Department (PEC)

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Turn Over

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itel P40 4G

Section A (40 Marks)

1. Name any one artificial permanent method of family planning.

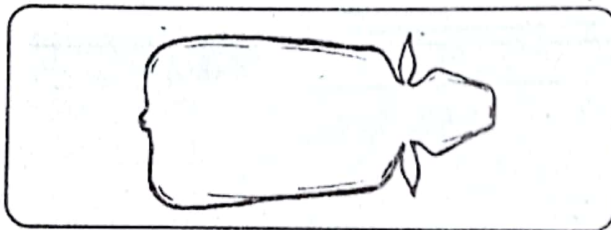
2. How does improper disposal of human wastes lead to easy spread of diarrhoeal diseases?

3. Which process enables plant roots to absorb water and dissolved mineral salts from the soil?

4. Give one similarity between a *toad* and a *spiny anteater* in terms of reproduction.

5. State any one advantage of docking female sheep.

Study the diagram below and use it to answer questions 6 and 7.



6. Name the type of cattle with the above body shape.

7. Identify one example of cattle with the body shape named in (a) above.

8. Give a reason why a BCG vaccine is given to babies at birth.

9. Name the only vein that transports oxygenated blood in the body.

10. State the best way of preventing marasmus among infants.

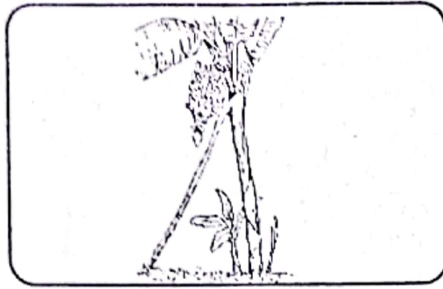
11. Give any one factor that can lead to alcoholism.

12. Name the first aid kit used to fasten gauze on fresh wounds.

13. Give the use of a streamlined body of a fish.

14. Why is wind regarded as a renewable resource?

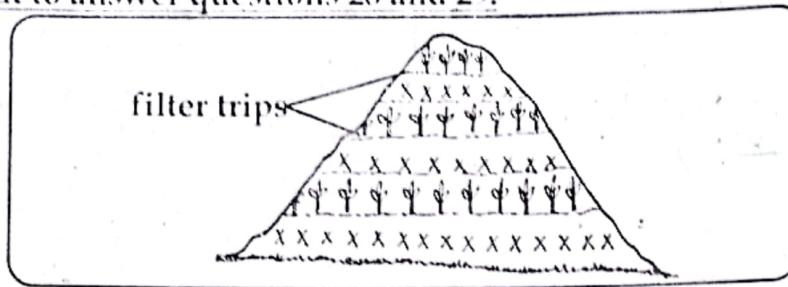
The diagram below shows a way of plant training. Use it to answer questions 15 and 16.



15. Name the method of plant training shown in the diagram above.
16. Apart from the method of plant training shown above, give one other method of plant training.
17. What happens to the lungs during exhalation?
18. How does boiling of drinking water control diarrhoeal diseases?
19. State the functional difference between the *vent pipe* and *fly screen* on a VIP latrine.
20. Give one way how a weaning baby can acquire natural immunity.
21. Write AIDS in full.
22. Give the meaning of the term *swarming* as used in bee keeping.
23. Name one craft item got from clay.
24. State one characteristic of seeds dispersed by wind.
25. Why are we advised to give plenty of fluids to a poisoned victim?
26. Name any one type of chicken kept for egg production.

27. What name is given to the *larva stage of a housefly*?

The diagram below shows a method of controlling soil erosion in hilly areas. Use it to answer questions 28 and 29.



28. Name the method of controlling soil erosion shown in the diagram above.
29. How does the method shown in the diagram above control soil erosion?
30. Name the bacterium that causes syphilis in people.
31. Give a reason why a first aider should put a clean piece of cloth on the mouth of a near drowned victim before carrying out a kiss of life.
32. How is the ileum adapted to its function of carrying out absorption of food?
33. Name the rabbit disease characterised by itching and wounds in the ears.

The diagram below is of a mammal. Use it to answer questions 34 and 35.



34. To which group of mammals does the above animal belong?
35. Give the use of part C to the above animal.
36. Which immunisable disease affects the bones of human beings?

37. State one advantage of gap filling to a crop farmer.
38. Give any one way of keeping the respiratory system in a health working condition.
39. Name the weather instrument used to measure the amount of rain received in an area.
40. State any one way of obtaining clean water.

Section B (60 Marks)

41. (a) How does one get affected by the following types of worms;

(i) Tapeworms

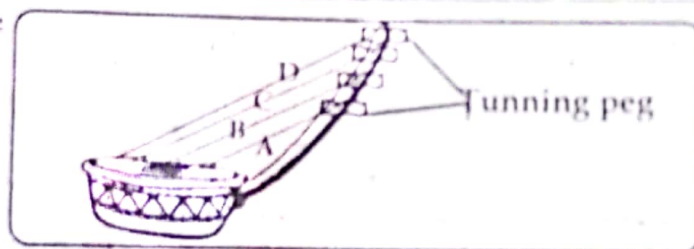
(ii) Hookworms

(b) Give two dangers of worm infestation to the body.

(i)

(ii)

42. The diagram below is of a musical instrument. Use it to answer the question that follow.



(a) To which group of musical instrument do we classify the above?

(b) How does the above musical instrument produce sound?

(c) Identify the string that produces the lowest pitch of sound when plucked.

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

43. (a) Give any two differences between *local* and *exotic breeds* of chicken.

(i)

(ii)

(b) How does litter prevent eggs from breaking?

(c) Where does grinding of food take place in the digestive system of the hen?

44. (a) Give the meaning of teenage pregnancy.

(b) Give any two causes of teenage pregnancy.

(i)

(ii)

(c) State one effect of teenage pregnancy.

45. Match the following accidents to their first aid.

(i) Fainting	Pressing the belly with a sudden strong upward push.
(ii) Near drowning	Raising the legs above the head.
(iii) Fever	Mouth to mouth breathing.
(iv) Choking	Tepid sponging.

(i) Fainting

(ii) Near drowning

(iii) Fever

(iv) Choking

46. (a) Name one example of crops that are first planted on a nursery bed.

(b) Give two reasons for growing crops on a nursery bed.

(i)

(ii)

(c) Mention any one activity carried out to care for seedlings on a nursery bed.

47. (a) State two causes of dehydration.

(i)

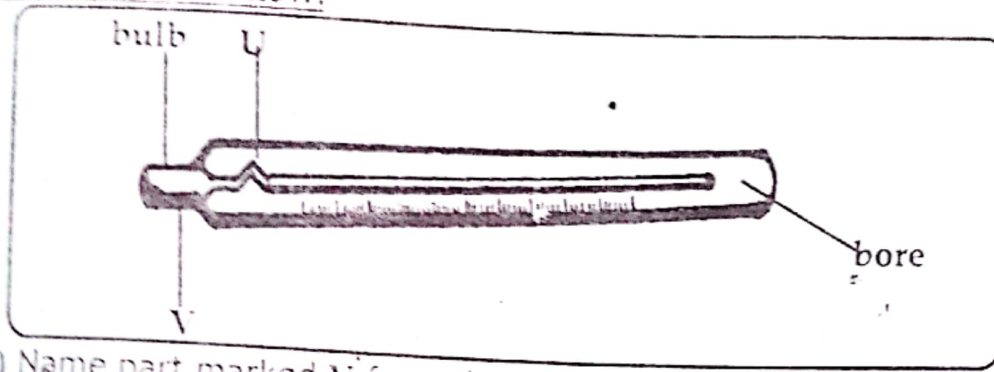
(ii)

(b) Give two signs of dehydration.

(i)

(ii)

48. The diagram below is of a thermometer. Study and use it to answer the questions that follow.



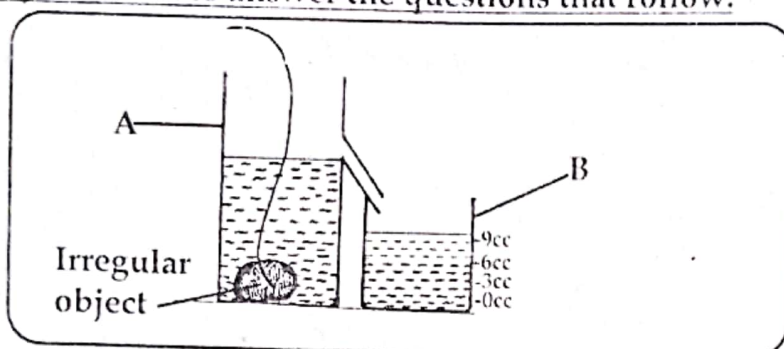
- (a) Name part marked V from the diagram above.
- (b) Which type of thermometer is shown in the diagram above?
- (c) How is part marked U useful in the above type of thermometer?
- (d) State the use of the above thermometer.
49. (a) Name one example of arachnids.
- (b) Give two characteristics of arachnids.
- (i) _____
- (ii) _____
- (c) Which part of an insect enables it to balance in air on flight?
50. (a) Give any two ways of making the food dirty.
- (i) _____
- (ii) _____
- (b) Give two traditional ways of preserving food.
- (i) _____
- (ii) _____
51. (a) Mention any two components of blood in the human body.
- (i) _____ (ii) _____
- (b) State any two functions of blood in the body of humans.
- (i) _____
- (ii) _____
52. (a) Identify any one characteristics of nimbus clouds.
- (b) Apart from nimbus clouds, give another type of clouds in the sky.

(c) State any two uses of clouds to people.

(i) _____

(ii) _____

53. The diagram below shows a method of finding the volume of an irregular object. Use it to answer the questions that follow.



(a) Name the equipment marked A from the diagram above.

(b) State the use of equipment B from the diagram above.

(c) If the volume of the irregular object is 180g. Find its density.

02 marks

54. (a) Name the form of energy that changes water to gaseous exchange state.

(b) Give any two uses of distilled water.

(i) _____

(ii) _____

(c) Why are we not advised to drink distilled water?

55. (a) Name the component of soil that provides food and shelter to living organisms.

(b) Mention any one way how water can be lost from the soil.

(c) Give two ways of maintaining soil moisture.

(i) _____

(ii) _____