



THE PRIME EXAMINATIONS 2023

PRIMARY SIX END OF YEAR INTEGRATED SCIENCE

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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

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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:

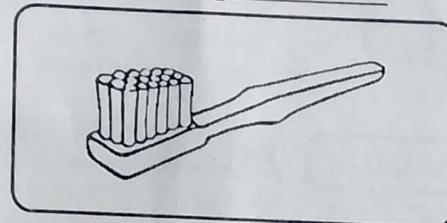
Consultant
Integrated Science Department (PEC)

PUBLISHERS OF:-

THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES
LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

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1. Give any one example of animal resource in the environment.
 2. State any one practice done at home to prevent the spread of germs by houseflies.
 3. Mention any one characteristic of mammals.
 4. How does a stopper of a vacuum flask prevent heat loss or gain?
 5. Name the condition that affects the proper functioning of the body.

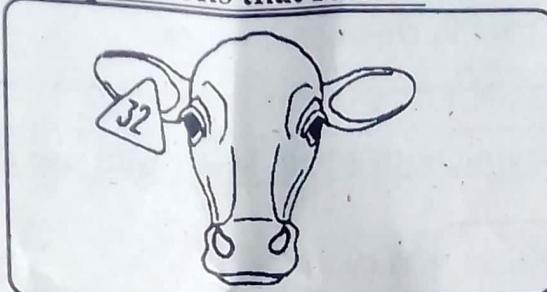
The diagram below shows a material used to promote personal hygiene. Study and use it to answer questions 6.



6. How does the above material help to promote personal hygiene?
7. Which body system is responsible for transporting oxygen in the body?
8. Why is it advisable to wear dry shoes?
9. How does sunny weather affect crop growing?
10. Name the largest artery in the human body.
11. How is fertilization of birds different from that of a fish?
12. Give any one danger of having long finger nails.
13. What type of accident is got when a body gets in contact with a hot iron bar?

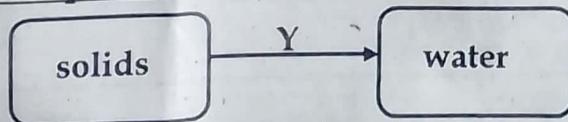
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The diagram below shows cattle management practice. Study and use it to answer questions that follow.



14. Name the cattle management practice shown in the diagram above.
15. Give the importance of the above practice to a cattle farmer.
16. Apart from producing ova, give one other role played by the ovaries.
17. How are cotton seeds propagated?
18. Give any one reason why it is necessary to wash fruits before eating.
19. Which body organ is affected by night vision?
20. State the importance of capillaries in a tooth.
21. Name the type of cattle kept for milk production.
22. Give the importance of a pumice stone when promoting personal hygiene.

The diagram below is about change in state of matter. Study and use it to answer questions 23 and 24.

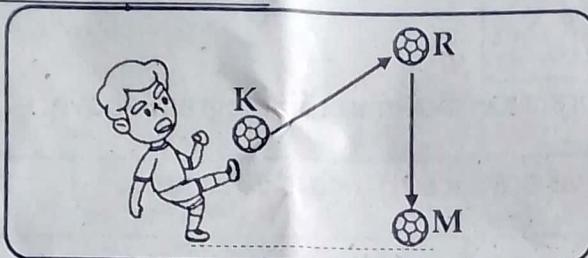


23. Name the process marked Y.
24. Which form of energy enables process Y to take place in the diagram above?
25. State the meaning of the term **dental hygiene**.

26. In which one way does diarrhoea affect the body?
27. Give a reason for dipping the burnt part in clean cold water.

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The diagram below shows a boy playing with a ball. Study and use it to answer questions 28 and 29.



28. Which type of energy is possessed by the body at R?
29. Mention any one factor that affects the ball at K from the diagram above.
30. Write ECOSAN in full.
31. Name the first aid kit used for supporting a fractured man.
32. Mention the component of air needed for seed germination.
33. State the way how flowering plants reproduce.
34. How does suspension drying preserve skins and hides?
35. Why is the ileum long and coiled?
36. Mention any one disease of the human ear.
37. Name any one non-infectious disease.
38. How useful is the fencing of a livestock farm?
39. Why are strings of a bow harp made of different length?
40. Give any one use of food in the body.

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Section B (60 Marks).

1. (a) Give the meaning of the term **water contamination**.

(b) Mention any one example of water impurities.

(c) State any one way of contaminating water at home.

(d) How does fencing of water sources help to avoid water contamination?

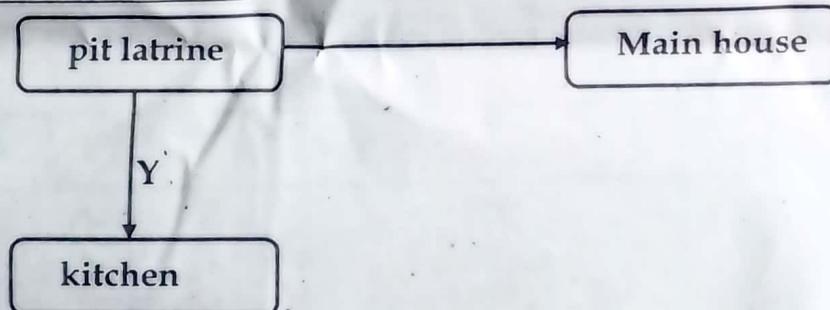
42. (a) Give the meaning of **family planning**.

(b) Why are pregnant mothers regarded as vulnerable?

(c) State any one cause of still births in mothers.

(d) Give any one way of preventing still births in mothers.

43. The diagram below shows Mr. Agape's home, study and use it to answer the questions that follow.



(a) Give the use of a pit latrine to the people at this home.

(b) Which distance is marked Y in the diagram above?

(c) Why is distance Y left between the pit latrine and the kitchen?

(d) State one disadvantage of constructing a pit latrine near a water source.

and a burn similar in terms of cause?

(b) Give two causes of scalds to man.

(i) _____

(ii) _____

(c) State any one way of preventing scalds at home.

45.

Match the process that takes place in the body to their meanings.

(i) Ovulation

is a periodic release of blood from the uterus.

(ii) Menstruation

this is when a mature ovum is released from the ovary.

(iii) Implantation

is the union of a male and a female gamete to form a zygote.

(iv) Fertilization

is a process by which the zygote gets attached on the walls of the uterus

(i) Ovulation

(ii) Menstruation

(iii) Implantation

(iv) Fertilization

46.

The table below shows components of a first aid box. Study and use it to answer the questions that follow.

A	B	C
		

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

(b) How useful is the material marked B when administering first aid?

(c) Why is it advisable to cover incised wounds with material marked C?

(d) How does a first aider check for blood circulation of a fainted victim?

Mr.Opio was seen covering top soil using coffee husks in Kamenke Village.

(a) Name the practice done by Mr.Opio.

(b) Give any two advantages of the practice named in (a) above.

(i) _____

(ii) _____

(c) State one danger of the practice named in (a) above.

48.

(a) Name any two tick borne diseases in cattle.

(i) _____

(ii) _____

(b) Give any two signs of good health in cattle.

(i) _____

(ii) _____

49.

The diagram below shows a type of crop grown in the community. Study and use it to answer the questions that follow.



(a) Name the type of crop shown in the diagram above.

(b) Which food value do we get from eating the above food stuff?

(c) How can a farmer preserve the above type of food after harvesting?

(d) Name any one disease that affects the above crop.

50.

(a) State any one living component of soil.

(b) Name the living organism that helps in the decomposition of organic matter.

(c) State any two ways in which decomposition is useful in the environment.

(i) _____

(ii) _____

51. (a) Give one way of acquiring immunity.

(b) How is immunity important to the body?

(c) Name one disease that greatly affects the body immunity.

(d) Give any one way of boosting body immunity in babies.

52. The diagram below shows a method of managing rubbish in the environment. Study and use it to answer the questions that follow.

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(a) Name the way of promoting sanitation shown in the diagram above.

(b) Apart from the above, give two other ways of promoting sanitation in a home.

(i) _____

(ii) _____

(c) Name the vector involved in 4Fs germ path.

53. (a) Write any one type of bacteria.

(b) State any one place where bacteria are found.

(c) Mention any two ways of killing germs in water.

(i) _____

(ii) _____

54. (a) How is **moulting** and **ripening** of fruits similar?

(b) Mention the type of change that occurs in the stomach by the help of pepsin.

(c) State any two ways of managing body changes in adolescents.

(i) _____

(ii) _____

55. (a) State any two causes of food insecurity.

(i) _____

(ii) _____

(b) Give one effects of food insecurity.

(c) Mention any one practice done to ensure food security.