



PACE – PREPARE A CHILD EXAMINATION BOARD
P6 END OF TERM III EXAMINATION SET 1
2024

INTEGRATED SCIENCE

Time Allowed 2 hours 15 minutes

Pupil's Name:

Pupil's Signature:

School Name:

Read the following instructions carefully:

1. Write your **school name** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **11** printed pages.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers **must** be written using a **blue** Or **black** ball point pen or ink. Any work written in pencil other than drawings will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "**For Examiners' use only**" and boxes inside the question paper

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

Turn over

SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name any **one** sign of mosaic disease in sweet potatoes.

.....

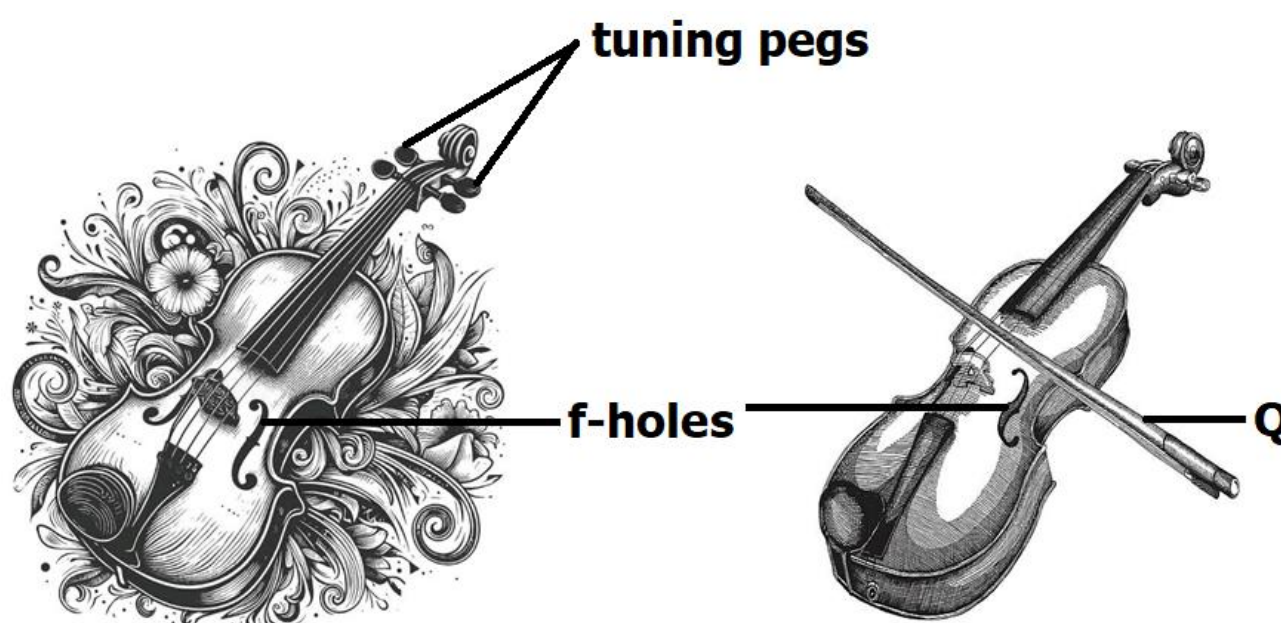
2. How does covering of food when it is still hot lead to food poisoning?

.....

3. Apart from through lice, ticks and rat fleas, give any **one** other way in which typhus fever is spread among community members.

.....

The diagram below shows a certain musical instrument; use it to answer the question **4** and **5**.



4. Name the part labeled with letter **Q**.

.....

5. Identify any **one** way in which tuning pegs are useful in the variation of pitch of sound produced by the above instrument.

.....

6. Write any **one** activity involved in preparing millet as a simple dish at home.

.....

7. State any **one** immunisable disease whose immunization body site is the right upper thigh.

.....

Turn over

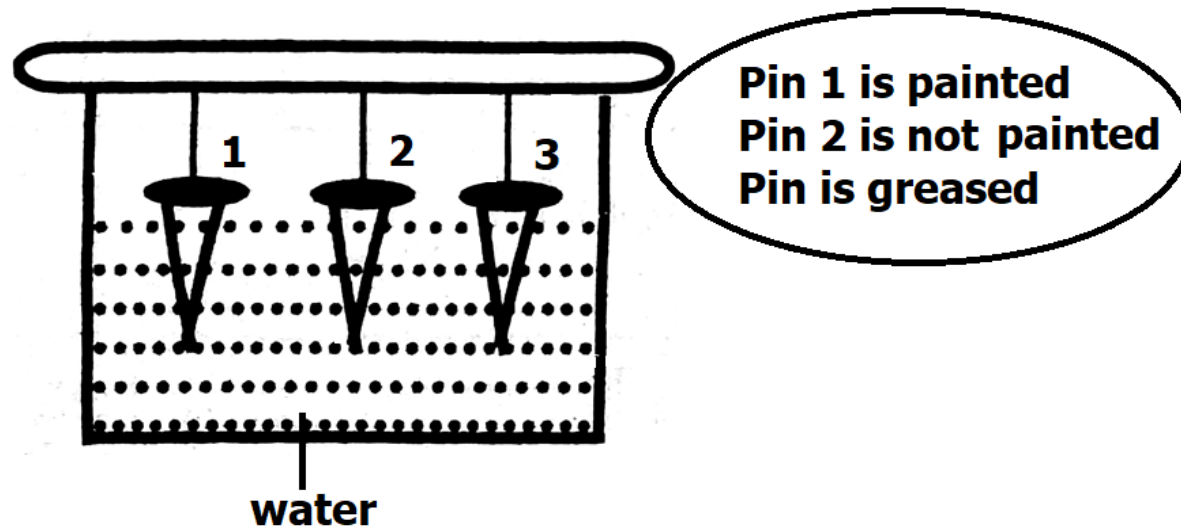
8. Write down any **one** principle of Primary Health Care.
.....
9. To which group of cold blooded vertebrates do ringed caecilians belong?
.....
10. State any **one** way in which soil sampling is beneficial before applying fertilizers in the garden.
.....
11. In which units is weight measured?
.....
12. How are the hypostome important to ticks in the spread of relapsing fever among community members?
.....
13. Give any **one** way of preventing Coccidiosis among rabbits.
.....
14. In which way does pruning increase crop yields in coffee plants?
.....
15. Give the meaning of the term siltation.
.....
.....
16. Which type of injury that requires to pinch the soft part of the nose?
.....
17. State the reason why tapeworms do not have a digestive system of their own.
.....
18. Write any **one** energy change that takes place when a ball is kicked.
.....
19. Give any **one** factor that causes physical weathering of rocks.
.....

Turn over

20. Give any **one** effect of alcoholism to the liver of an individual.

.....

The diagram below shows different nails painted, greased and unpainted. Study and use it to answer question **22** and **23**.



21. Identify the aim of the experiment shown in the diagram above.

.....

22. Which of the three nails developed a reddish brown coating?

.....

23. Identify the part of the thermos flask characterized with shiny and silvered walls to prevent heat loss by radiation.

.....

24. Write any **one** administration form of vaccines to the human body.

.....

25. State any **one** characteristic of seeds dispersed by animals.

.....

26. Mention **one** of the characteristics of the six's thermometer

.....

27. Give the meaning of the **breeding** as used in cattle keeping.

.....

.....

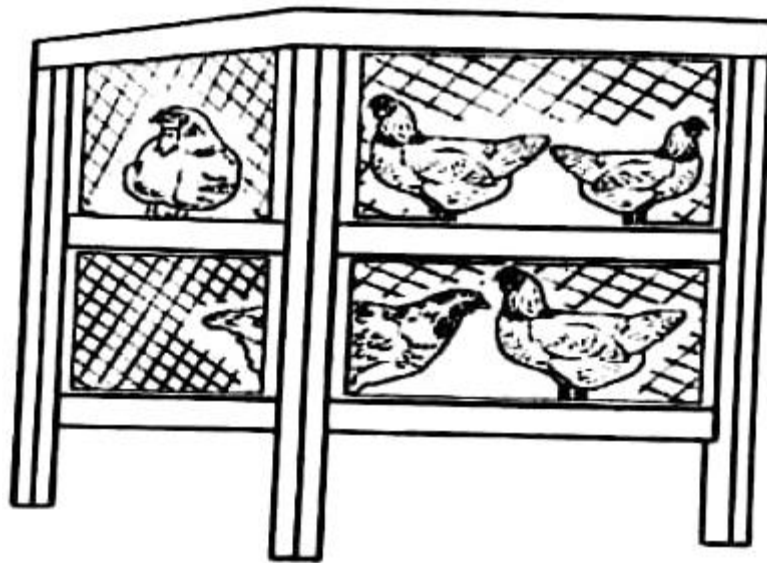
28. Identify any **one** of organic fertilizers used in improving soil fertility

.....

Turn Over

29. How can the respiratory system be kept in a good working condition?
.....
30. Mention any **one** importance of weeding cassava as root tubers.
.....
31. In which way is fermentation useful in the community?
.....

The diagram below shows a certain system of keeping poultry in the community. Use it to answer question **33** and **34**.



32. Which system of keeping poultry is shown in the diagram above?
.....
33. Give any **one** advantage of using the system of keeping poultry shown above.
.....
34. What term refers to the mixing of food with digestive juices?
.....
35. Mention any **one** example of a plant with compound bipinnate leaves.
.....
36. How are the pollen baskets useful to bees in their way of living?
.....
37. State any **one** example of roundworms in the environment.
.....
38. Which type of soil used in making glasses?
.....

39. Give the meaning of the term germs.

.....

40. Identify any **one** importance of school health committees at school.

.....

SECTION B (60 MARKS)

Questions **41** to **55** carry **four** marks each.

41. (a) How does the use of the natural sources of heat contribute to the conservation of the following resources?

(i) Renewable resources

.....

.....

(ii) Nonrenewable resources

.....

(b) Give any **two** examples of fossil fuels.

(i)

(ii)

42. (a) Give any **two** factors that lead to loss of water from the body.

(i)

(ii)

(b) State any **one** way of replacing the lost water and mineral salts into the body.

.....

(c) When should ORS be given to a dehydrated person?

.....

43. Give any **two** characteristics of the following groups of arthropods

(a) Arachnids

(i)

(ii)

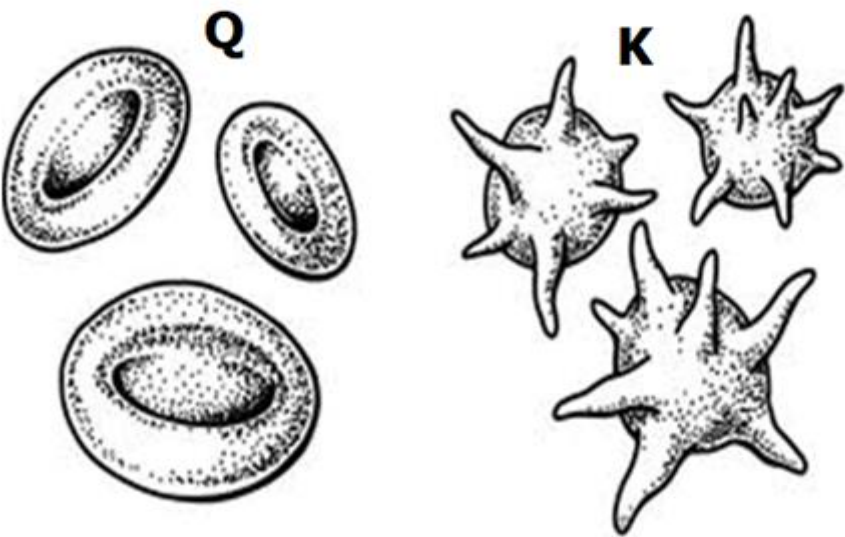
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(b) Crustaceans

(i)

(ii)

The diagram below shows two blood cells without a white blood cell being shown. Use them to answer questions that follow correctly.



(b) Give any **two** ways in which white blood cells fight germs in the human body.

(i)

(i)

(c) Name the blood cells marked with letters **Q** and **K**.

Q

K

44. (a) Mention any **two** examples of native beehives

(i)

(ii)

(b) Give any **two** advantages of using native beehives over modern beehives.

(i)

(ii)

45. (a) Write **two** methods of separating mixtures.

(i)

(ii)

Turn Over

(b) Give the meaning of the following terms.

(i) Solution
.....

(ii) Solvent
.....

46. How are the following breeds of cattle useful to cattle farmers?

(a) Sahiwal breeds

(b) American beef master

(c) How is steaming up important in the management of Sahiwal breeds of cattle?
.....

(d) How is the practice of teeth clipping important in piggery?
.....

47. Write down any **one** method involved in cleaning clothes.
.....

(b) Give any **one** way of preventing clothes from shrinking.
.....

(c) State any **two** importance of ironing clothes during cleaning.

(i)

(ii)

48. Besides distillation, give any **two** other common methods of obtaining clean water.

(i)

(ii)

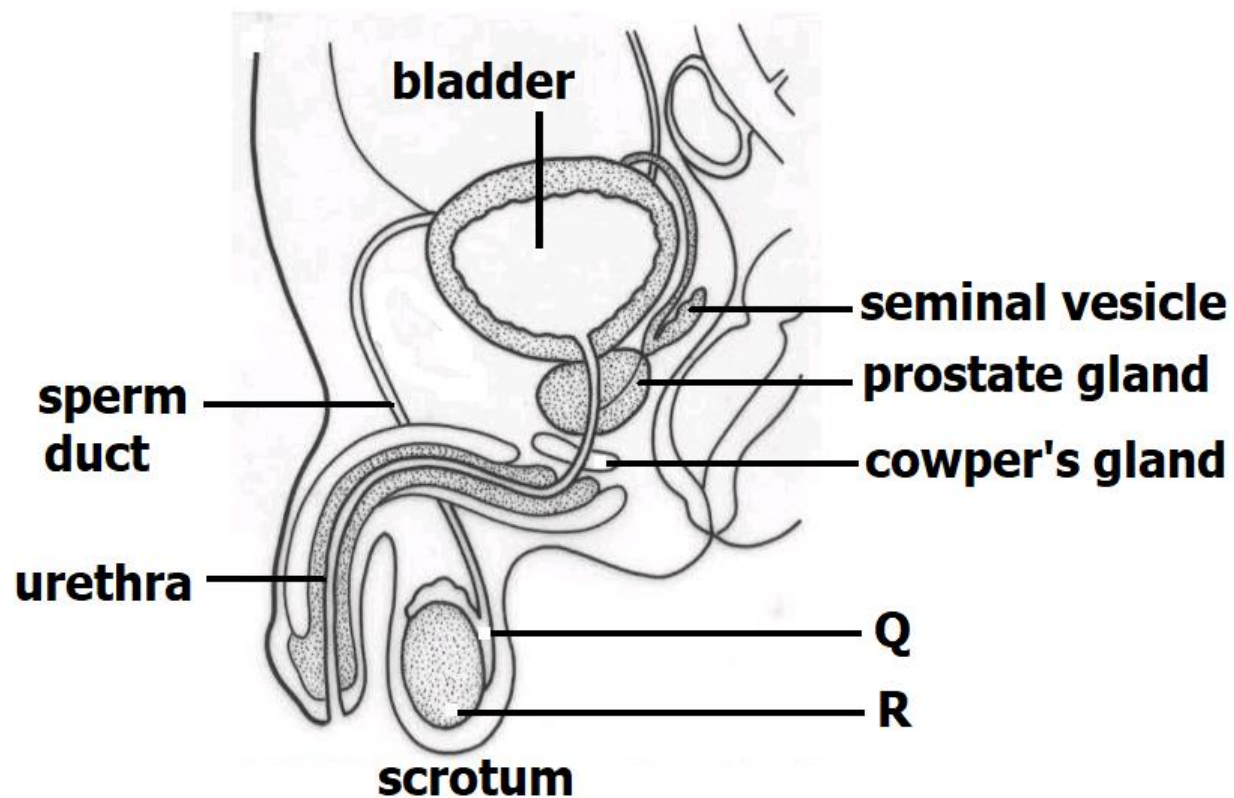
(b) Write down any **two** disadvantages of obtaining clean water using distillation method.

(i)

(ii)

49. (a) Mention any **two** things used to promote proper personal hygiene.
- (i)
- (ii)
- (b) Give any **two** dangers of failure to promote proper sanitation.
- (i)
- (ii)

Below is a diagram of a male reproductive system. Study them carefully to answer question **49**.



50. (a) Name parts labeled **Q** and **R**.
- Q**
- R**
- (b) How do the following parts support the primary sex changes?
- (i) Seminal vesicle
-
-
- (ii) Prostate glands
-
-

Turn Over

51. Match and copy the types of changes to their examples correctly.

- | | |
|------------------------|---------------------|
| (a) Biological changes | Expansion of metals |
| (b) Physical changes | Burning of wood |
| (c) Chemical changes | Moulting of snakes |
| (d) Physical changes | Breaking of an egg |

- | | |
|------------------------|-------|
| (a) Biological changes | |
| (b) Physical changes | |
| (c) Chemical changes | |
| (d) Physical changes | |

52. (a) Give any **two** causes of burns at school

- (i)
- (ii)

(b) Identify any **one** sign for each of the following degree burns.

(i) Second degree burn

.....

(ii) Third degree burn

.....

53. (a) Identify the structures that enable bacteria to move.

.....

(B) Mention any **two** examples of useful bacteria in the environment.

- (i)
- (ii)

(c) How are harmful bacteria dangerous to human health?

.....

Turn Over

54. (a) Give any **two** examples of services under maternal and child health care
- (i)
- (ii)
- (b) Give any **two** importance of maternal and child health care services.
- (i)
- (ii)
55. (a) Apart from not talking while eating food, give any **two** other examples of traditional customs and food taboos.
- (i)
- (ii)
- (b) In which **one** way are food taboos so important in the community?
-
- (c) How has food taboos contributed to the conservation of animal species in the community?
-

PACE Examinations Board Wishes You Success

For inquiries call on (0754742152/0786616884)

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