

### **SECTION A : 40 MARKS**

*Questions 1 to 40 carry one mark each.*

1. Name the type of weather that enables farmers to winnow harvested seeds.

2. State **one** activity done to promote oral health.

3. Write down **one** sign of a dehydrated child.

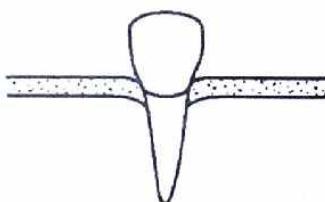
4. Give **one** reason why apiarists carry out bee farming.

5. How are the gills of a fish similar to stomata of a plant in terms of function?

6. Name any **one** activity done by poultry farmers to control egg eating.

7. Which type of soil supports proper plant growth?

**The diagram below is of a human tooth. Study and use it to answer questions 8 and 9.**



8. Name the type of tooth drawn above.

9. What is the role of the above drawn type of tooth to animals?

10. Give **one** way of protecting harvested bean seeds from pest attack in the store.

11. Jimmy's son has poor night vision. Which deficiency disease could he be suffering from?

12. What factor makes objects float on water?

13. Mention **one** mineral salt needed for proper formation of bones and teeth.

14. Why should the floor of a deep litter house be covered by materials like wood shavings?



15. State any **one** disease common in areas with overgrown bushes.

16. How does a chameleon safe guard itself from enemy attack?

17. What is the main source of heat and light in the environment?

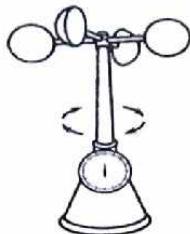
18. Name **one** example of a dicot that undergoes hypogea germination.

19. Mention the body organ used for tasting.

20. Give **one** example of food got from water bodies.

21. State **one** danger of playing near fire.

The diagram below shows a weather instrument. Study and use it to answer question 22.



22. Give the reason why the weather instrument drawn above is not found inside the Stevenson screen.

23. Mention any **one** characteristic of insect pollinated flowers.

24. Name any **one** animal which uses soil as its habitat.

25. State the component of soil that enables plants to make their food.

26. Why are fire extinguishers painted with bright colours?

27. When are crop farmers advised to transplant their seedlings?

28. Give **one** example of an insect vector that doesn't bite.

29. Which body organ helps to filter blood?



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30. Name the part of a seed that develops out first during germination.

31. Which part of an insect is used for balancing during flight?

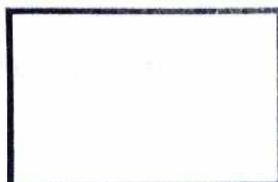
32. Give the reason why rabbits become sick when living in a dirty hutch.

33. Why don't plants make food at night?

34. How are segments useful to a tapeworm?

35. Which part of a sugarcane plant stores food?

36. In the space provided below, draw a male part of a flower.



37. Why should leftover food be covered?

38. Name **one** plant that can be grown in wetlands.

39. How is an ovipositor useful to a queen bee?

40. In which way can poultry farmers make broilers produce more meat?

#### **SECTION B : 60 MARKS**

Questions 41 to 55 carry four marks each.

41. (a) Name the **two** types of pollination.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give **one** example of an insect that pollinates flowers at night.

(c) Where in a flower does fertilisation take place?

42. (a) Mention any **one** example of these chickens:

(i) broilers \_\_\_\_\_

(ii) layers \_\_\_\_\_

(b) Write down any **two** viral diseases of poultry.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_



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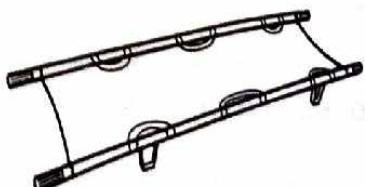
IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANION

43. (a) Give **two** reasons for giving first aid to casualties.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Name the first aid kit drawn below.



\_\_\_\_\_

(c) How is the above tool useful to a first - aider?

44. (a) What does letter "R" stand for in the abbreviation of **ORS**?

(b) Which item is used to stir the mixture when making **ORS**?

(c) Mention **two** important mineral salts the body gets after rehydration.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

45. (a) Name any **two** intestinal worms among human beings.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) State any **two** dangers of worm infestation among human beings.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

46. The table below shows vectors and the diseases they spread. Complete it correctly.

Vector	Disease
Female Anopheles Mosquito	(i) _____
(ii) _____	Bubonic plague
Freshwater snail	(iii) _____
(iv) _____	Trachoma



1. (a) How is a pollen basket useful to a worker bee?

---

(b) Give any **two** products got from beeswax.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Why is it dangerous for pupils to throw stones in a beehive?

---

2. (a) Apart from snuffles, name any other **two** diseases of rabbits.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Name any **two** practices farmers who keep rabbits can do to control the spread of rabbit diseases.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

. (a) Which **two** parts of the 4Fs germ path attract insect vectors?

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Write any **one** vector which is involved in the 4Fs germ path.

---

---

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(c) How are vectors different from germs?

---

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3. (a) State any **two** components of air in the atmosphere.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Which property of air enables a person to suck soda using a straw?

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(c) Name any **one** game played by the help of moving air.



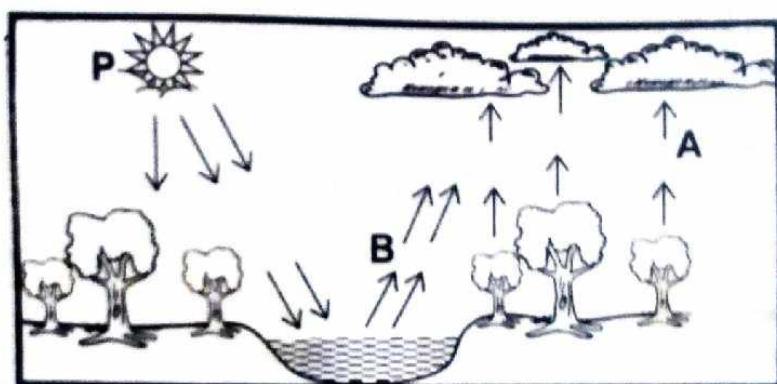
51. (a) What name is given to a meal that contains all food values in their right amounts?

(b) Give two examples of malnutritional diseases.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

(c) Give any one natural cause of malnutrition.

52. The diagram below is of a rain cycle. Study and use it to answer the questions that follow.



(a) Name the component of the rain cycle marked with letter P.

(b) State the processes marked with letters;

- (i) B : \_\_\_\_\_  
(ii) A : \_\_\_\_\_

(c) Write one human activity that increases the rate of rainfall formation.

53. (a) How can a crop farmer in a hilly area control soil erosion?

(b) Give two reasons for covering top soil with dry plant materials in a school garden.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_



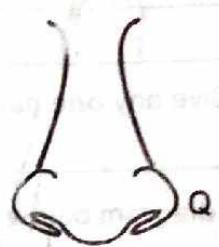
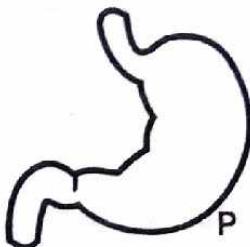
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(c) State **one** disadvantage of mulching.

54. The diagram below shows body organs. Study and use  
questions that follow.



(a) Name the body organs drawn above:

(i) P: \_\_\_\_\_

(ii) Q: \_\_\_\_\_

(b) Mention any **two** ways of caring for the above drawn body

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

55. Match the garden tools below to their uses.

Garden tool	Use
secateurs	digging in rocky grounds
trowel	cutting small trees
forked hoe	pruning
panga	transplanting

(i) secateurs : \_\_\_\_\_

(ii) trowel : \_\_\_\_\_

(iii) forked hoe : \_\_\_\_\_

(iv) panga : \_\_\_\_\_



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# THE SIPRO MID - TERM I EXAMINATIONS 2024

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY FOUR

DURATION : 2 hours 15 minutes

Name: \_\_\_\_\_

School: \_\_\_\_\_

District: \_\_\_\_\_

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 20 questions (40 Marks).
3. Section B has 15 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B. must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or *ink*. Only diagrams and graph work must be done in *pencil*.
6. Unnecessary *alteration/crossing* of work will lead to loss of marks.
7. Any *handwriting* that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:

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### SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name any one example of a non-living component in the environment.

2. State the class of food we get from eating chicken.

3. Why are tomatoes grouped under flowering plants?

4. Where do female anopheles mosquitoes lay their eggs?

5. Give any one way of caring for our body.

6. Mention any one effect of poor feeding among babies.

7. Write any one diarrhoeal disease spread by cockroaches.

8. State the main natural source of water in our environment.

The diagram below shows a child suffering from a certain disease. Study and use it to answer question 9.



9. Identify the immunisable disease the child above is suffering from.

10. Give one importance of regular keeping of our bodies clean.

11. Write one reason why goats make sound.

12. State one reason why people should wash hands before serving food.

13. Give any one way of keeping the house clean at home .

14. How is too much sunshine dangerous to crop farmers?

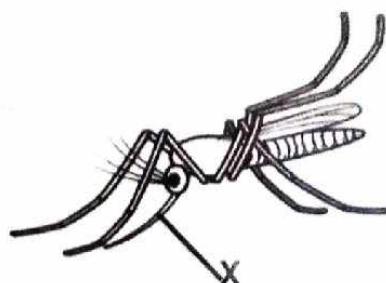


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The diagram below is of a common insect. Study and use it to answer question 15.



15. State the function of part marked with letter X to the above insect.

16. Which part of a cereal seed crop stores food for the embryo?

17. Give any one importance of electricity to people.

18. In which season do farmers plant crops?

19. Name any one place where a first aid box can be found.

20. How is humus important in soil?

21. Write any one importance of trees in our compound.

22. State one effect of landslides in our local environment.

23. Which type of life cycle do houseflies undergo?

24. Why should a good clean home have a rubbish pit?

25. Give any one way of controlling soil erosion in flat areas.

The diagram below shows an item used by first aiders. Study it carefully and use it to answer question 26.



26. Name the first aid material drawn above.



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27. Name any **one** process that takes place in plant leaves.

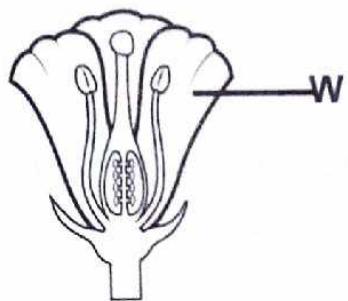
28. Write down any **one** item made from animal skin.

29. Which element of weather enables crop farmers to remove husks from rice seeds?

30. Mention any **one** example of a PIASCY message.

31. Write down any **one** human activity done to increase the amount of rainfall in an area.

The diagram below is of a part of a plant. Study and use it to answer question 32.



32. Name part marked with letter W.

33. Give a reason why part marked W always has bright colours.

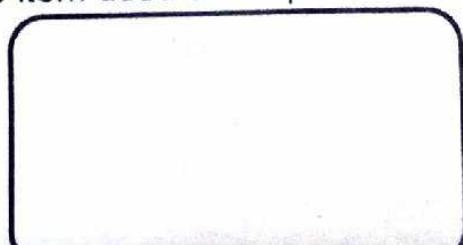
34. State **one** way of keeping our teeth healthy.

35. Which type of pollination takes place in pawpaw plants?

36. Mention any **one** form of energy got from the sun.

37. Why do animals move from one place to another?

38. Draw any **one** item used to keep our bodies clean.



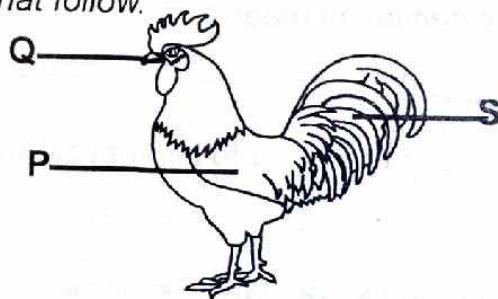
39. Name any **one** crop pest that lives in the soil.

40. Write the component of air that is used for respiration.

### SECTION B: 60 MARKS

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

41. The diagram below is of a domestic bird. Study it carefully and use it to answer the questions that follow.



a) Name parts marked with letters:-

- i) S \_\_\_\_\_
- ii) P \_\_\_\_\_

b) State the function of the part labelled with letter Q to a bird.

c) Give any **one** product people get from the bird drawn above.

42. a) Name any **two** examples of useful insects in our environment.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Write any **one** main part found on the insect.

c) What name is given to the breathing organs of an insect?

43. a) Mention any **two** parts that form the shoot system of a plant.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Why do plants with weak stems climb others?

c) Which part of the root system absorbs water and mineral salts for the plant?



44. a) Name any **one** vector which is common in dirty areas.

b) Mention any **two** diseases spread by vectors which live in dirty areas.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

c) Give any **one** way germs spread among people.

45. a) What does the term sanitation mean?

b) Mention any **two** places that need to be kept clean at home.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

c) State **one** way of promoting sanitation at home.

46. a) In which way are perennial crops different from annual crops?

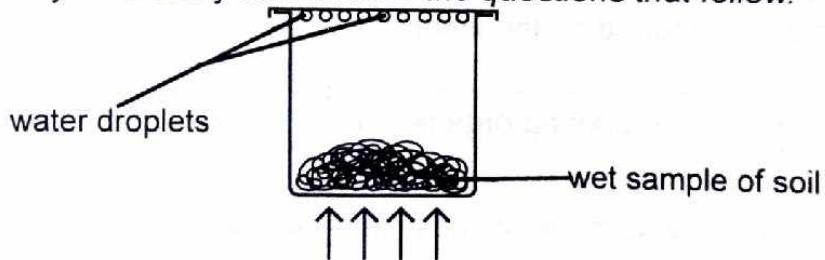
b) Mention any **two** examples of perennial crops.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

c) Give any **one** method used to control weeds in a garden.

47. The diagram below is of an experiment that was carried out by P.3 pupils.

Study it carefully and answer the questions that follow.



a) What does the experiment above show about soil?

b) Name the type of soil used for:-

- i) modelling \_\_\_\_\_  
ii) making glasses \_\_\_\_\_

c) Give any **one** example of a material made from clay soil.



48. Match the components of air in list P to their percentages in the atmosphere in list Q.

**List P**

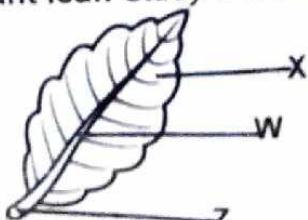
rare gases  
oxygen  
carbon dioxide  
nitrogen

**List Q**

21%  
78%  
0.97%  
0.03

- i) rare gases  
ii) oxygen  
iii) carbon dioxide  
iv) nitrogen

49. The diagram below is of a plant leaf. Study it carefully and use it to answer the questions that follow.



a) Name the parts labelled with letters:-

- i) X  
ii) W

b) State the role of part marked Z on the diagram above.

c) Write any one plant that stores food in leaves.

50. a) Give any two uses of air to people.

- i)  
ii)

b) Mention any one game played by the help of wind.

c) State any one danger of too much wind in our environment.

51. a) What are living things?

b) Give two reasons why animals are grouped under living things.

- i)  
ii)

c) Apart from animals, write down one other group of living things in our environment.

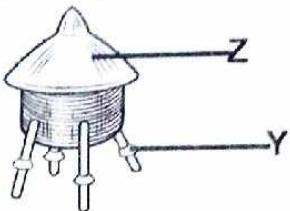


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52. The diagram below shows a storage facility. Study and use it to answer the questions that follow.



- Name the storage facility shown in the diagram above.
- Name part marked Y on the diagram above.
- State the importance of part marked Z on the facility above.
- Why should the storage facility drawn above be raised from the ground?

53. a) What name given to the young ones of these animals?

- goats \_\_\_\_\_
- rabbits \_\_\_\_\_

b) Write the habitats of the animals drawn below:

i)  \_\_\_\_\_

ii)  \_\_\_\_\_

54. a) What is seed germination?

b) Name any two conditions needed for seeds to germinate.

- \_\_\_\_\_
- \_\_\_\_\_

c) What name is given to a young plant?

55. a) Give the main two sources of food in our community.

- \_\_\_\_\_
- \_\_\_\_\_

b) State any two reasons why people eat food.

- \_\_\_\_\_
- \_\_\_\_\_



# THE SIPRO MID-TERM I EXAMINATIONS - 2024

SUBJECT : INTEGRATED SCIENCE  
CLASS : PRIMARY SIX  
DURATION : 2 hours 15 minutes

Name : \_\_\_\_\_  
School : \_\_\_\_\_  
District : \_\_\_\_\_

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### **SECTION A: 40 MARKS**

*Questions 1 to 40 carry one mark each.*

1. Name the part of a plant on which breathing organs are found.
2. Which element of PHC is promoted by sleeping under treated mosquito nets?
3. Give any one effect of cloudy weather in the environment.
4. Mention any one use of the neck to the human body.
5. State one factor that determines the pitch of sound produced by percussion musical instruments.
6. Apart from a garden hoe, name any other garden tool that can be used in harvesting crops.
7. Why are different sites used in the immunisation of diseases?
8. Which biological change in plants requires oxygen to take place?
9. Give any one farming activity done in a dry season.

**The diagram below shows an equipment used to promote personal hygiene.**  
*Study and use it to answer question 10.*



10. State the use of the equipment drawn above in the promotion of personal hygiene.
11. Mention one sign of roundworm infestation in human beings.
12. Give one first aid instrument that can be used in the administration of first aid to snake bitten victims.



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13. What component of air is used in the filling of electric bulbs?

---

14. Which system of keeping poultry separates eggs from birds?

---

15. How are premolars and molars adapted to their function?

---

16. In which **one** way is air useful in soil?

---

17. How are eggs of amphibians protected from predators?

---

18. Given an object of mass of **54g** and volume of **9cc**.

Calculate its density.

19. What name is given to the factory manufactured feeds of rabbits?

---

20. In which way do frogs move from one place to another?

---

21. Which method of planting seeds requires the use of a string?

---

22. Why does a metal rust when left outside for a night?

---

23. How are black-flies dangerous to human health?

---

24. Name the digestive juice produced in the walls of the small intestine.

---

25. State **one** factor that determines the speed of sound in air.

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26. Which body organ do mammals and birds use for breathing?

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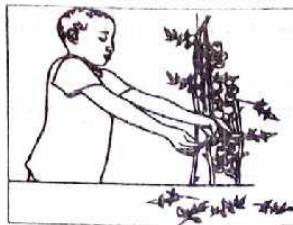


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**The diagram below shows a practice carried out on the farm.**  
Study and use it to answer question 27.



27. Give **one** reason why tomato farmers carry out the practice shown in the diagram above.
- 
28. Identify any **one** material that can be made from banana fibres.
- 
29. State any **one** way of controlling the spread of tuberculosis among people.
- 
30. How does a queen excluder in a modern beehive promote the harvesting of clean honey?
- 
31. In which **one** way is a forest important to a monkey?
- 
32. Why are expectant mothers advised to feed on food rich in mineral salts?
- 
33. State **one** cause of seed dormancy.
- 
34. Besides dirty habitats, what other condition may lead to animal diseases on a farm?
- 
35. Why should well water be boiled before drinking it?
- 
36. How is breathing in fish different from that in insects?
- 
37. Write **one** way of controlling sweet potato pests.
- 
38. How is the use of charcoal at home a threat to the environment?
- 
39. Give **one** disease that can be controlled by promoting proper sanitation.
- 
40. Which element of PHC is promoted by prolonged breastfeeding in women?
- 



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## SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Identify the method of storing sound where memory cards and flash discs are used.

b) Give any two devices used to reproduce sound stored by the method mentioned in 41 (a) above.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

c) State any one advantage of storing sound.

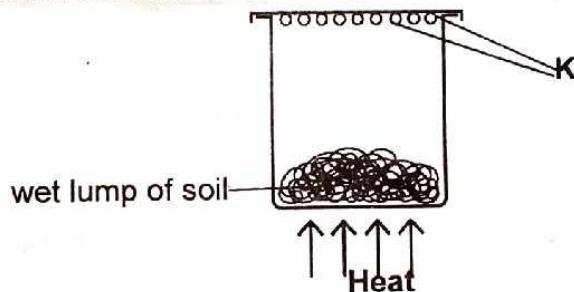
42. a) Name the vector borne disease that can be prevented by;

- i) sleeping under a treated mosquito net \_\_\_\_\_  
ii) using tsetse fly traps \_\_\_\_\_

b) How does slashing tall grass help to control the spread of malaria in the community?

c) What vector is responsible for spreading trachoma?

43. The diagram below shows a property of soil. Study and use it to answer the questions that follow.



a) Identify structures marked with letter K.

b) What property of soil is illustrated in the diagram above?

c) State any two other properties of soil apart from the one shown in the diagram above.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_



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P.6 INTEGRATED SCIENCE MID TERM I EXAMINATIONS - 2024

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TR'S GUIDES AND PUPIL'S COMPANIONS

44. The table below contains some items used to promote personal hygiene and their uses but in a wrong order.

M: Items	N: Uses
razor blade	wiping the body after bathing.
towel	straightening hair.
bathing sponge	grooming finger and toe nails.
comb	removing dirt and sweat from the skin.

Give the correct use of each of the items above.

- razor blade \_\_\_\_\_
- towel \_\_\_\_\_
- bathing sponge \_\_\_\_\_
- comb \_\_\_\_\_

45. a) State the importance of a fire extinguisher in the school community.

b) Give any **two** ways the fire extinguisher can be made easily seen in a school community.

- \_\_\_\_\_
- \_\_\_\_\_

c) Why should children be taught how to use a fire extinguisher in a school community?

46. a) How does immunisation help in boosting body immunity?

b) Write the **two** methods of vaccine administration in infants.

- \_\_\_\_\_
- \_\_\_\_\_

c) In which **one** way can a family participate in the immunisation programme?

47. a) State any **two** ways of controlling the spread of diarrhoeal diseases in a home.

- \_\_\_\_\_
- \_\_\_\_\_

b) Besides diarrhoeal diseases, name any other **two** diseases got as a result of poor sanitation.

- \_\_\_\_\_
- \_\_\_\_\_



48. a) State the use of heat to the following groups of people;

- i) a school cook \_\_\_\_\_
  - ii) crop farmer \_\_\_\_\_
- b) Name any two sources of heat commonly used in a home.
- i) \_\_\_\_\_
  - ii) \_\_\_\_\_

49. The diagram below shows a method of preparing food. Study and use it to answer the questions that follow.



a) Identify the method of food preparation shown in the diagram above.

b) Give one foodstuff that can be prepared using the above drawn method.

c) Besides the illustrated method, name any other two methods of food preparation.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

50. a) State the importance of the following components of the rain cycle.

- i) the sun \_\_\_\_\_
- ii) plants \_\_\_\_\_

b) Name any two ways rainfall is useful to a crop farmer.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

51. a) How are amphibians different from reptiles in terms of reproduction?

\_\_\_\_\_

b) Give two examples of amphibians without tails.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

c) How do amphibians help in the control of the spread of diseases?



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P.6 INTEGRATED SCIENCE MID TERM I EXAMINATIONS - 2024

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**52.** The diagram below shows a clinical thermometer. Study and use it to answer the questions that follow.



- a) Give the use of the thermometer drawn above to the health worker.
- b) State any **two** things that are done to the thermometer drawn above before using it.
- i) \_\_\_\_\_  
ii) \_\_\_\_\_
- c) Apart from the clinical thermometer, name any **one** other medical equipment used in medical centres.
- 53.** a) Give any **two** causes of nosebleeds.
- i) \_\_\_\_\_  
ii) \_\_\_\_\_
- b) Mention **one** step involved in administering first aid to a casualty with nosebleeds.
- c) State **one** measure people can take to prevent nosebleeds.

**54.** a) Write any **two** ways of caring for wild animals.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_
- b) State any **two** dangers of wild animals to people.
- i) \_\_\_\_\_  
ii) \_\_\_\_\_

**55.** a) What is dehydration?

- \_\_\_\_\_
- b) State any **two** importance of giving ORS to a dehydrated casualty?
- i) \_\_\_\_\_  
ii) \_\_\_\_\_
- c) Give **one** reason why ORS should be kept covered after preparation.
- \_\_\_\_\_



**THE SIPRO MID - TERM I EXAMINATIONS 2024**  
**PRIMARY SEVEN INTEGRATED SCIENCE**

Time Allowed: 2 Hours 15 Minutes

Index No.	Random No.	Personal No.

Candidate's Name: \_\_\_\_\_

Candidate's signature: \_\_\_\_\_

District: \_\_\_\_\_

**READ THE FOLLOWING INSTRUCTIONS**

**CAREFULLY:**

1. This paper has two sections: A and B.
2. Section A has 40 questions (40 Marks)
3. Section B has 15 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:

**"FOR EXAMINER'S USE ONLY"**

**For Examiner's Use Only;**

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
Page 9		
Total		

Please turn over



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## **SECTION A : 40 MARKS**

*Questions 1 to 40 carry one mark each.*

1. Name the process that takes place in clouds during the formation of rainfall.

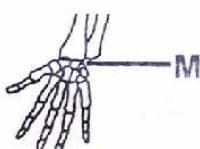
2. Why is a tick considered to be an arachnid?

3. What should be done to a guitar in order to produce sound?

4. State **one** advantage of keeping rabbits over other domestic animals.

5. Write the general name given to drugs used to treat bacterial diseases.

**The diagram below is of a human hand. Study and use it to answer questions 6 and 7.**



6. Name the joint located in part labelled with letter M.

7. Mention any **one** disorder that can occur at the part labelled with letter M.

8. Which process in cleaning clothes reduces soapy water in the clothes?

9. How is the function of pods in leguminous crops similar to that of the cones in coniferous plants?

10. Name the part of a grasshopper used for feeding.

11. State any **one** danger of harmful fungi to people.



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12. Write any **one** equipment used to groom overgrown fingernails.

13. What name is given to the second stage in the incomplete lifecycle?

14. State **one** difference between mass and weight.

15. Why is a sugarcane not regarded as a stem tuber?

16. Give any **one** way HIV/AIDS affects a family.

The diagram below is of a type of smoking. Study and use it to answer question 17.



17. Identify the type of smoking shown in the diagram above.

18. Which part of a tooth contains nerves and capillaries?

19. Apart from hanging green vegetables, which other items are put in a deep litter house to enable birds do physical exercises?

20. Name the garden tool used to measure spaces between crops in a garden.

21. Which property of air enables one to spray insecticides in a room to kill mosquitoes?



22. Why is heat transfer fastest through gases?

---

23. How is a solar panel useful in the generation of solar electricity?

---

24. Write the food storage part in an onion.

---

25. Give **one** disadvantage of mulching in a garden.

---

26. Why is the femur bone grouped together with the ulna bone in the human body?

---

27. Why do most reptiles move when their forked tongue is out?

---

**The diagram below shows endo parasites. Study and use it to answer questions 28 and 29.**



28. Name the endo parasites drawn above.

---

29. State the effect of the endo parasites drawn above to the human body.

---

30. What do you understand by the term stocking a hive?

---

---

31. Convert  $25^{\circ}\text{C}$  into degrees Fahrenheit.

---



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32. Why is distilled water not recommended for drinking?

---

33. Give the reason why lit charcoal stops burning when covered with ash.

---

34. Which first aid kit is used by first aiders to kill germs on a wound?

---

35. State the behaviour of biceps muscles when the arm is bent.

---

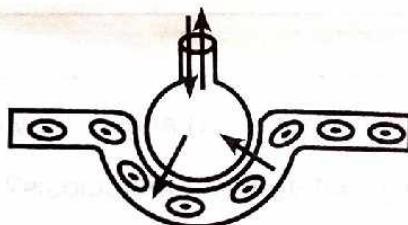
36. Name the stage of a butterfly that is a crop pest.

---

37. How important is shedding the exoskeleton important to arthropods?

---

**The diagram below shows an alveolus. Study and use it to answer question 38.**



38. Which process is represented by the arrows in the diagram above?

---

39. Give the reason why chicken mash is usually mixed with crushed oyster shells?

---

40. State the importance of PIASCY in the control of the spread of HIV/AIDS.

---

---



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## **SECTION A : 40 MARKS**

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

41. a) State any two items mothers use to promote the hygiene of newly born babies.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Write two reasons for promoting personal hygiene in babies.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

42. a) Which health document is issued to parents during immunisation?

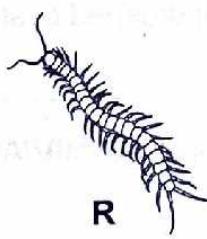
(b) Write two pieces of information found on the document mentioned in (a) above.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Apart from using the document mentioned in (a) above, how else can a teacher tell that a child was immunised against tuberculosis?

43. Below are diagrams of different animals. Study and use them to answer the questions that follow.



(a) State a common characteristic for all the animals drawn above.



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(b) Name the animal labelled with letter R.

---

(c) How is animal P a threat to human health?

---

(d) State the behaviour of animal J when scared or touched.

---

44. a) Write any **two** products obtained from a rabbitry.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) How are the following parts important on a rabbit hutch?

(i) wire mesh \_\_\_\_\_

(ii) roof \_\_\_\_\_

45. a) State the standard units for measuring volume.

---

(b) Write the method used when finding the volume of irregular objects.

---

(c) Name any **two** examples of irregular objects.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

46. a) Write any **two** causes of soil exhaustion in a cabbage garden.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

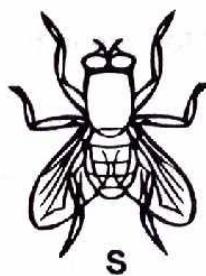
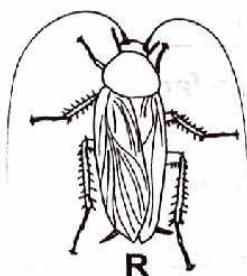
(b) Give **two** things a farmer can do to control soil exhaustion in a cabbage garden.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_



47. The diagrams below are of two disease vectors. Study and use them to answer the questions that follow.



(a) Name the disease vectors marked with letters R and S.

(i) R \_\_\_\_\_

(ii) S \_\_\_\_\_

(b) Write any one disease spread by each of the vectors drawn above:

(i) R \_\_\_\_\_

(ii) S \_\_\_\_\_

48. a) Which part of the human ear is responsible for;

(i) changing sound vibrations into nerve signals? \_\_\_\_\_

(ii) amplifying sound vibrations? \_\_\_\_\_

(b) Write any two habits that can cause damage to the human ear.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

49. a) Mention any two sanitation facilities in a home.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Give two human activities that can lead to poor sanitation in the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_



50. a) Write any two sources of food.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

(b) State any two natural causes of poor feeding in some families.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

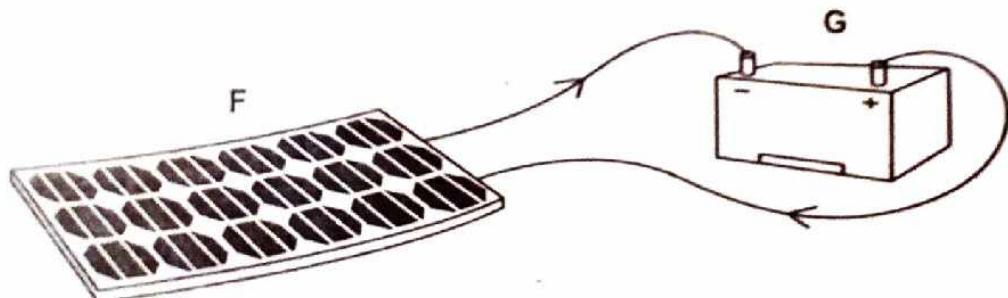
51. a) Which term is used to mean the period of sexual maturity in adolescents?

(b) Give any two similar secondary sex characteristics in both male and female adolescents.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

(c) Mention one life skill that enables adolescents to overcome the challenges like teenage pregnancies.

52. Below is a diagram showing a solar set. Study and use it to answer the questions that follow.



(a) Name the part labelled with letter F.

(b) Give the importance of part marked with letter G in a solar set.

(c) Which energy change occurs in part marked with letter F while in use?



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(d) How is electricity produced by a solar set environmentally friendly?

---

---

53. a) Name **one** source of heat at home used for;

- (i) ironing clothes. \_\_\_\_\_  
(ii) boiling drinking water. \_\_\_\_\_

(b) In which **two** ways does heat travel through matter?

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

54. (a) Where in the human digestive system does chemical digestion of fats and oils begin?

---

(b) Name the digestive juice produced by each of the following digestive parts;

- (i) stomach \_\_\_\_\_  
(ii) pancreas \_\_\_\_\_

(c) Write **one** cause of disorders of the digestive system.

---

55. a) Why is alcohol regarded as a drug of dependency?

---

(b) What do we call a condition when an individual is addicted to taking alcohol?

---

(c) Name any **two** dangers of excessive alcohol intake to human health.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_



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