



SEETA PARENTS PRIMARY SCHOOL

PRE-MOCK ASSESSMENT SET 4 2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's Name.....

Stream:

Previous Mark	
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Read the following instructions carefully:

1. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions.
2. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers must be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked except diagrams.
4. Unnecessary **changes** in your work may lead to **loss** of marks.
5. Any handwriting that **cannot** easily be read 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		2 RS
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION A: 40 MARKS

1. Name the liquid component of the circulatory system.

2. Write down any **one** accident that occurs in the presence of water.

3. How are kidneys in the human body similar to swamps in the environment?

4. Give **one**-way plants benefit people in the same environment.

5. State the reason why poultry farmers keep Minorca and White leghorn chickens.

6. Name the digestive juice that contains rennin and pepsin enzymes.

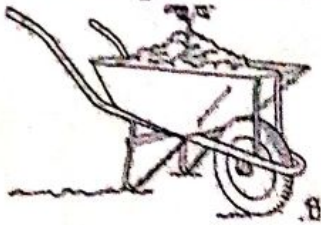
7. Point out **one** piece of knowledge a person with a problem should possess to avoid falling into deep troubles.

8. Which part of an underground stem makes it suitable for propagation?

9. Point out **one** item used to keep our bodies clean.

10. What is the role of a drone bee in a hive?

The diagram below shows a certain machine. Study and use it to answer questions 11 and 12.



11. Name the type of simple machine shown in the diagram above.

12. Use an arrow to show the position of the pivot on the machine in the diagram above.

13. Give the meaning of the term **pitch** as used in sound.

14. Which component of an electric circuit acts as a safety device?

15. Name the organ in insects that receives sound waves.

16. Write down **one** primary sex characteristic among adolescent boys.

17. State what happens to the density of water when it freezes.

18. Which crop growing practice involves sowing seeds in holes where they never germinated?

19. Give **one** way animal farmers benefit from proper feeding of their animals.

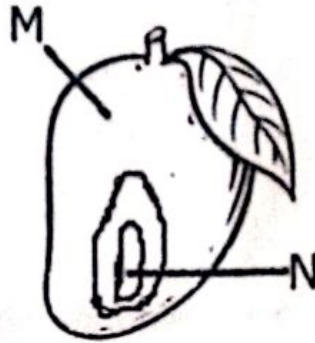
20. Name the element of primary health care that helps in controlling population growth.

The diagram below shows a reproductive cell in animals. Use it to answer questions 21 and 22.



21. Name the reproductive cell shown in the diagram above.
22. In which organs is the above reproductive cell produced?
23. Give any **one** way vectors spread germs.
24. State **one** way people care for their crops in the garden.
25. Which amphibian lays eggs in a spawn mass?
26. Write down **one** item used to shorten our finger nails.
27. State **one** reason why a chameleon changes colour basing on the environment in which it is.
28. How many pairs of legs do insects possess?
29. By what process is alcohol obtained from ripe bananas?
30. Which characteristic of arteries makes them able to carry blood with high pressure?

31. The diagram below is of a fruit. Use it to answer questions 31 and 32.



To what group of juicy fruits does the one above belong?

32. How is the above fruit dispersed?

33. Name the type of immunity do babies get from their mother through breast feeding.

34. Give **one** way the reproduction of mushrooms is similar to that of ferns.

35. Name the method of controlling soil erosion that involves digging steps on slopes of mountains.

36. Write down **one** disease caused by smoking to lungs.

37. Cite **one** Sexually Transmitted Disease which leads to infertility in women.

38. To which group of birds is an eagle?

39. State **one** measure that can be taken to prevent poisoning in homes.

40. Give **one** reason why farmers mix sandy soil in the loamy soil in their seed beds.
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SECTION B: 60 MARKS

41. Given a list of parts of the female reproductive system. Use it to answer questions that follow.

placenta, cervix, fallopian tube, amniotic fluid, umbilical cord

From the list above, identify;

- a) The filtering part of the reproductive system to the developing embryo.
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- b) The passage of the fertilized ovum to the uterus.
-

- c) State **one** way the umbilical cord benefits the growing embryo.
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- d) How does the cervix prevent the entry of germs in the womb during pregnancy?
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42. a) What is an alloy?
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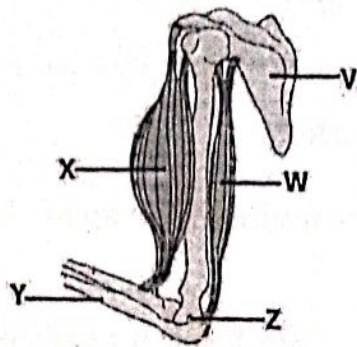
- b) Give one example of an alloy.
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- c) State two ways of conserving non-renewable resources.

- i)

- ii)

43. The diagram below shows a joint found in the human body. Study and use it to answer questions that follow.



- a) Name the bone marked **Y** on the diagram above.
- _____
- b) What type of bone is marked **V** on the diagram above?
- _____
- c) Basing on the position of the arm as shown in the diagram above, state the difference in behaviour between muscle **X** and **W**.
- _____
- _____
- d) In how many planes of motion does joint marked **Z** allow movement?
- _____
44. a) Give the meaning of the term sanitation.
- _____
- _____
- b) Point out any **one** indicator of poor sanitation in a home.
- _____
- c) Give **one** danger of poor sanitation in a home.
- _____
- d) State any **one**-way poor sanitation can be addressed in a home.
- _____

45. Conjunctivitis (pink eye) is a disease that has been a threat in big communities in the past days.

a) Besides turning eyes red, give **two** other signs and symptoms of conjunctivitis (pink eye).

(i) _____

(ii) _____

b) Give **one** way pink eye can be spread from one person to another.

c) State **one** measure that can be taken to control the spread of pink eye.

46. Resources are components of the environment people use to meet their needs.

a) Give **one** example of each of the following types of resources in the environment.

(i) Renewable resource _____

(ii) Non-renewable resources _____

b) State **two** ways people use resources to meet their daily needs.

(i) _____

(ii) _____

47. Diseases can be caused by germs, worms and other factors.

a) Name **one** disease caused by a;

(i) Worm _____

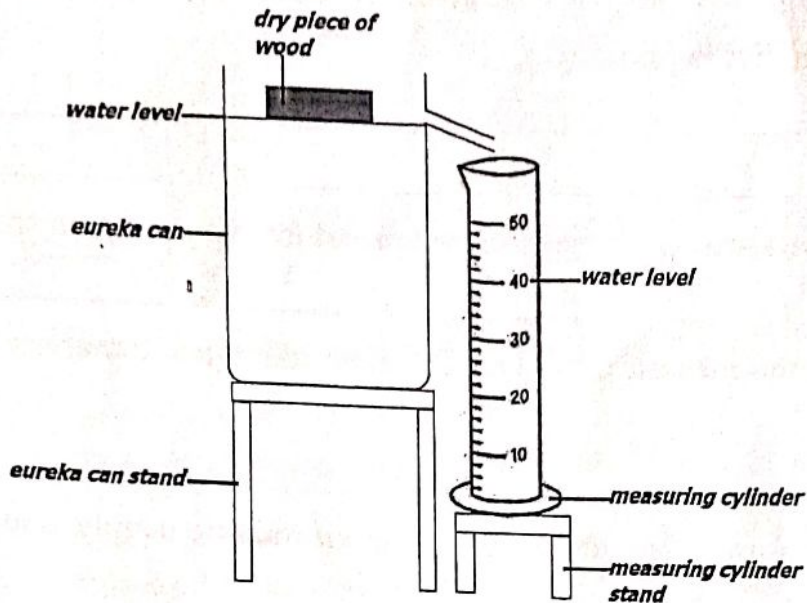
(ii) Germ _____

c) Give **two** ways of controlling diseases caused by germs to human beings.

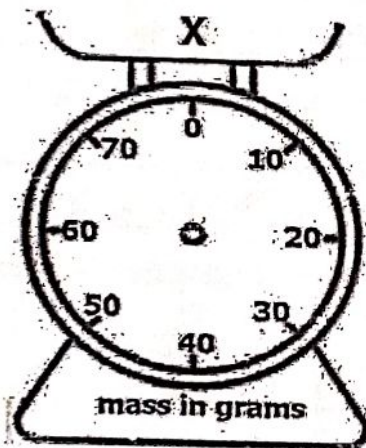
(i) _____

(ii) _____

48. A dry piece of wood of density 1.5g/cc was placed in a eureka can and it displaced some amount of water into the measuring cylinder as shown in the diagram below. Study it carefully and answer questions that follow.



Use the diagram and the information given above to complete the weighing scale given below by drawing to show the position of its arm if the dry piece of wood is placed at point X. (4 marks)



49. a) Besides Merino, give **one** other breed of sheep kept for wool production.

b) State the process of obtaining wool from sheep.

c) Give **one** example of an industry that makes use of wool.

d) Point out **one** product made from wool.

50. Vaccines are drugs introduced in the body to boost its immunity.

a) Give **one** way vaccines are introduced in the body.

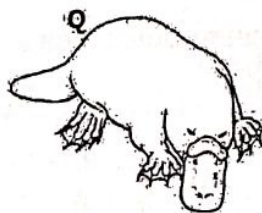
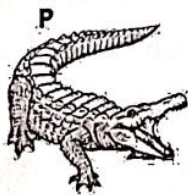
b) Under which conditions should vaccine be stored?

c) Write down **two** immunisable diseases prevented by administering a pentavalent vaccine.

(i) _____

(ii) _____

51. The diagrams below are of two animals. Study and use them to answer questions that follow.



a) Name the group of vertebrates represented by animal marked P and Q.

(i) P _____

(ii) Q _____

b) Give **one** characteristic the above animals have in common.

c) Write down **one** other animal that can be put in the same of group of vertebrates as animal Q.

52. a) Name the wood fuel obtained by burning wood under limited supply of oxygen.

b) What type of change occurs during the production of the fuel named in (a) above?

c) Give **two** forms of energy produced when fuels are burnt.

(i) _____

(ii) _____

53. a) Name **one** example of a natural magnet.

b) State what is observed when a magnet is broken into pieces.

c) Give **two** applications of magnets in our daily life.

(i) _____

(ii) _____

54. a) Which term describes a complete meal served in a home?

b) How does having a complete meal help to improve one's health?

c) Give any **one** sign shown by a child who is underfed.

d) Name the class of food responsible for body growth.

55. a) Give **one** advantage of living in a nuclear family.

b) State **one** role of children in a home.

c) Give **two** advantages of having a family budget.

(i) _____

(ii) _____