PLE 2024 SCIENCE

SECTION A: 40 MARKS

Answer **all** *questions in this section.*

Question ***1*** *to* ***40*** *carry* ***one*** *mark each.*

E-LEARN ANALYSIS

1. Name **one** type of latrine.

   .....

2. Give **one** reason why it is dangerous to take shelter under tall trees during rain.

   E-LEARN PRE PLE SET 7 QUESTION 21

   Related content.

3. State any **one** function of the diaphragm during the process of breathing.

   E-LEARN PRE PLE SET 8 QUESTION 53(b)

   Related content.

4. Name **one** agent of soil erosion.

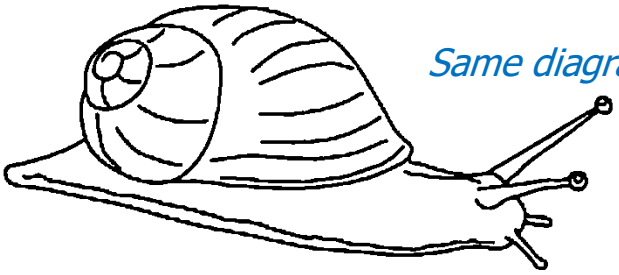
   E-LEARN PRE PLE SET 2 QUESTION 53(b)

   53(b). *Name any* ***one*** *agent of soil erosion.*

   The diagram below shows an animal in the group of invertebrates. Use it to answer questions **5** and **6**.

   E-LEARN PRE PLE SET 3 QUESTION 9

   Same diagram, related content



5. Name the animal shown in the diagram.

   .....

6. State the group of invertebrates to which the animal belongs.

   E-LEARN WELCOME TO P.7 QUESTION 48

   48. *Under which group of vertebrates does animal* ***B*** *belong. – similar content*

7. Mention any **one** way in which vegetables can be kept fresh for some time.

   E-LEARN PRE PLE SET 8 QUESTION 21

21. *similar content*

8. State **one** way in which bacteria are useful in the formation of soil.

E-LEARN PRE PLE SET 1 QUESTION 47 (C)

47(c) ii. *How is bacteria useful to the soil?*

9. Give the reason why a person suffering from bilharzia develops anaemia.

E-LEARN WELCOME TO P.7 QUESTION 3

3. *State the reason why people suffering from malaria develop anaemia.*

10. Mention **one** way in which air circulation in rabbit hutch can be improved.

E-LEARN FINAL SET QUESTION 42(b)

3. *Give **one** importance of a wire mesh on the rabbit hutch R.*

E-LEARN FINAL SET QUESTION 46(c)

46(c). *State the role of a wire mesh on a hutch.*

11. State the reason why the human skin develops goose pimples during cold weather.
.....

12. Give **one** way in which you can utilize empty plastic bottles at home.

E-LEARN WELCOME TO P.7 QUESTION 33

33. *Mention any **one** way people can re-use plastics in our homes.*

13. Mention **one** function of a bandage found in a first aid kit.

E-LEARN PRE MOCK SET 3 QUESTION 44(b)

44(b). *How useful is a bandage to a first aider?*

E-LEARN PRE MOCK SET 4 QUESTION 4

4. *What is the importance of a bandage in giving first aid to a casualty?*

14. State **one** way in which fermentation is important in our daily life.

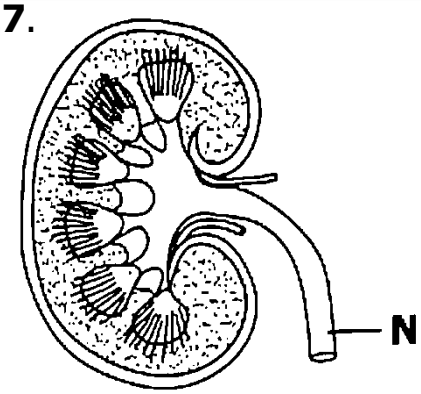
E-LEARN MID TERM TWO SET 2 QUESTION 46(b)

46(a). *How is the method in (a) above* ***(fermentation)*** *important?*

15. State any **one** reason why a builder would prefer a pulley to an inclined plane when lifting sand from the ground to the top of the building.

.....

The diagram below shows a human body organ. Use it to answer questions **16** and **17**.



E-LEARN PRE PLE SET 8 QUESTION 44 (a) and (b)

44. The diagram below shows a body system. (KIDNEY)

16. Name the organ shown above.

Use it to answer questions that follow.

.....

17. Give the function of part marked **N**.

E-LEARN PRE PLE SET 8 QUESTION 44(a)

44(a). *Give the function of* ***A***

18. Identify any **one** effect of pests and diseases on tuber crops.

E-LEARN PRE PLE SET 7 QUESTION 38

38. *Give any* ***one*** *way pests destroy crops in the garden?*

19. State any **one** way in which taking medicine without instruction of a health worker can affect a family.

E-LEARN PRE PLE SET 1 QUESTION 54(c).

54(c). *What danger is Musa likely to face if he later used the drug without doctor's prescription?*

20. Mention **one** reason why harvesting of honey should be done during day time.

.....

21. Name the disorder in the skeletal system where a bone moves away from its normal position at a joint.

.....

22. State the reason why a cubic unit of wool weighs less that a cubic unit of a stone.

.....

23. State **one** way in which paddocking method of grazing cattle helps to break the lifecycle of pests on a farm.

E-LEARN PRE PLE SET 9 QN 48 (b)

48(b). *Write down **two** advantages of using paddock grazing as a system of keeping cattle.*

24. Give **one** way in which rusting is important to the environment.

E-LEARN PRE PLE SET 2 QN 24

24. *Give any **one** way in which rusting of metals may be beneficial to the soil.*

25. Name the element of Primary Health Care which promotes the human body cleanliness.

E-LEARN PRE PLE SET 6 QN 31

31. *Which element of Primary Health Care is promoted by bathing daily?*

26. Mention any **one** activity a School Health Club can do to improve the health of people in school.

E-LEARN PRE MOCK SET 1 QN 4

4. *Write one role played by a school health committee in the control of ringworm at school.*

E-LEARN PRE MOCK SET 4 QN 52

52(a). *Mention any **two** activities carried out on a school health parade.*

(b). *How does a school health parade help to promote good health of pupils?*

E-LEARN WELCOME TO P.7 QN 28

28. *How useful is a school health committee in our community?*

27. State the property of air used in filling balloons.

E-LEARN PRE PLE SET 7 QN 42(a)

42(a). *Identify two properties of air used in filling a bicycle tyre.*

E-LEARN PRE PLE SET 8 QN 42(b)

42(b) *Which property of air enables lungs to expand during breathing in.*

28. State any **one** way in which planting of trees alongside crops improves the quality of soil.

.....

29. Give **one** reason why we should regularly wash our hands with clean water and soap.

E-LEARN PRE PLE SET 4 QN 37

37. *Why are we advised to always wash hands after visiting a toilet or latrine?*

E-LEARN END OF TERM ONE QN 14

14. *Why do we wash hands after eating food?*

30. Mention **one** way in which the antennae of insects are similar to the human skin in terms of function.

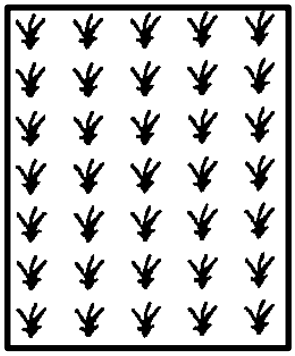
.....

31. Give **one** reason why the vacuum in thermos flask prevents heat loss by conduction and convection.

E-LEARN PRE MOCK SET 3 QN 32

32. *How does a cork of a vacuum flask able to prevent heat loss by conduction?*

The diagram below shows a method of planting crops. Use it to answer questions **32** and **33**.



32. Identify the method of planting crops shown above.

.....

33. State any **one** advantage of planting crops shown in the diagram above.

E-LEARN PRE PLE SET 5 QN 33

32. *Give **one** advantage of row planting.*

E-LEARN PRE PLE SET 6 QN 42(b)

42(b). *Give any **two** advantages of row planting to a farmer.*

34. Give any **one** example of an emotional change in adolescents.

E-LEARN PRE PLE SET 9 QN 44

44. *Related content*

35. Name the immunisable viral disease which is spread due to poor sanitation.

.....

36. State the reason why a ray of light bends as it passes through a glass block.

.....

37. State any **one** way of conserving water as a resource in the environment.

E-LEARN PRE PLE SET 8 QN 47(c)

47(c) *Give **one** way of conserving trees as a resources in the environment.*

38. Mention **one** reason why you are encouraged to brush the tongue as well when cleaning the teeth.

.....

39. Mention any **one** way in which electric shock can be prevented in a home.

E-LEARN PRE PLE SET 8 QN 46(b)

46(b) *Why should electric wires be properly insulated?*

E-LEARN PRE PLE SET 9 QN 54(d)

54(d) *State the importance of wire insulation in our houses.*

E-LEARN PRE PLE SET 1 QN 10

10. *Why should electric wires be properly insulated?*

40. Give any **one** way in which crop farmers can keep seeds viable for a long time.

E-LEARN PRE PLE SET 7 QN 34

34. *State the main reason why grains should be dried properly before storage.*

SECTION B: 40 MARKS

Answer **all** *questions in this section.*

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

41. (a) Name the class of food that helps in the repair of body cells.

.....

(b) Apart from contamination of food, mention any **two** other challenges that people who buy food from markets get.

(i) .....

(ii) .....

(c) State any **one** way of controlling food contamination in a market.

E-LEARN PRE PLE SET 8 QN 21

21. *Mention **one** way of controlling food contamination at home.*

E-LEARN PRE PLE SET 10 QN 53(b)

53(b) *Suggest any **two** ways of preventing food contamination.*

42. (a) Name the germ that causes cholera.

E-LEARN MID TERM ONE SET 2 QN 12

12. *Name the germ that causes cholera.*

(b) Explain why cholera is common in heavily populated communities. *(02 marks)*

E-LEARN MID TERM ONE QN 45(c)

45(c). *Give **two** diseases that may break out due to the absence of a latrine in a school community.*

(c) Apart from proper use of latrines, mention any other way of controlling the spread of cholera in the community.

E-LEARN MID TERM ONE QN 33

33. *State any **one** way of promoting proper hygiene of a home.*

43. (a) Name the correct garden tool for transplanting seedlings.

E-LEARN PRE MOCK SET 2 QN 41(C)

41(c). *Why is a trowel a suitable garden tool for transplanting seedlings from a nursery bed?*

(b) State the reason why evening time is the best for transplanting seedlings.

E-LEARN PRE MOCK SET 2 QN 41(a)

41(a). *Give **one** reason why transplanting is done in the evening.*

E-LEARN PRE PLE SET 6 QN 12

12. *Why do we transplant seedlings in the evening?*

E-LEARN PRE PLE FINAL SET QN 40

40. *Give **one** reason why transplanting is done in the evening.*

E-LEARN WELCOME TO P.7 QN 52(c)

52(c). *Why is advisable to transplant seedlings in the evening?*

(c) Mention any **two** advantages of mulching a garden after transplanting.

E-LEARN PRE PLE SET 8 QN 12

12. *Give any **one** importance of mulching.*

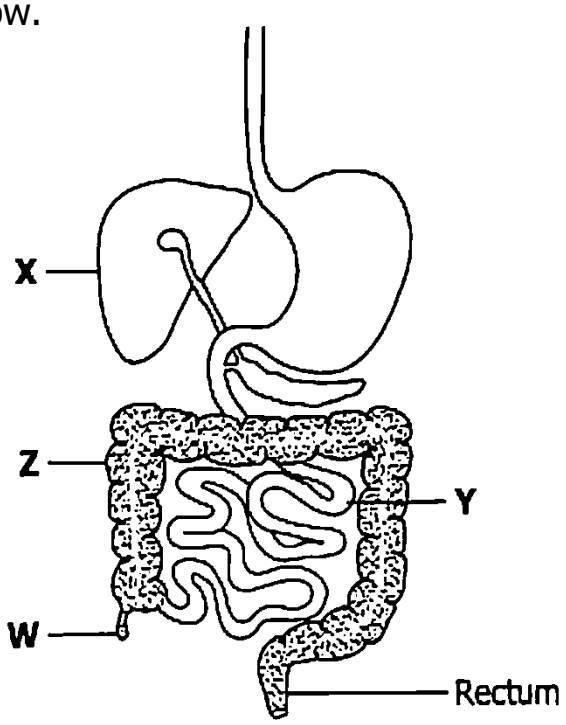
E-LEARN PRE PLE SET 3 QN 3

3. *Give a reason for mulching banana plantations.*

E-LEARN PRE PLE SET 4 QN 51(C)

51(c). *Why do farmers carry out mulching in a banana plantation?*

44. The diagram below shows part of human digestive system. Use it to answer the questions that follow.



(a) Name the parts labeled;

E-LEARN PRE PLE SET 8 QUESTION 49

(i) **X** .....

Same diagram, related questions.

(ii) **W**.....

(b) State any **one** function of the following parts:

(i) **Y** .....

(ii) **Z** .....

45. The table below shows some of the steps followed in the cleaning of clothes and purpose of each step. Complete the table correctly.

Step	Purpose
E-LEARN MID TERM ONE QN 23	Separating clothes according to needs.
Soaking	.....
.....	Removing dirty soapy water from clothes
Ironing	.....

46. (a) Give the meaning of the term **electromagnet**.

.....

.....

(c) You are provided with the following items: Iron nail, copper wire, a dry cell and some pins.
Describe how you can use the items to make a magnet. *(03 marks)*

E-LEARN PRE PLE SET 8 QN 51

51. *Diagram of an electromagnet.*

47. (a) Mention any **two** materials that can be used in a digester to produce bio gas.

E-LEARN PRE MOCK SET 1 QN 55

55. *The question required a candidate to fill in the materials used in production of biogas.*

(b) Give a reason why a biogas digester should be tightly sealed.

E-LEARN PRE MOCK SET 3 QN 30

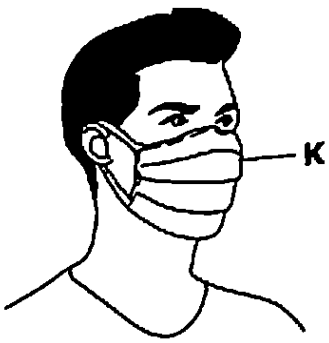
30. *State the reason of sealing a biogas digester during construction.*

(c) Give **one** advantage of using bio gas.

E-LEARN MID TERM SET 2 QN 51(b)

51(b). *Write **two** advantages of using bio gas.*

48. The diagram below shows a person wearing a protective item made of cloth. Use it to answer the following questions.



(a) Name the protective item labelled **K**

.....

(b) Identify any **two** diseases that can be prevented by the use the protective item **K.**

E-LEARN MID TERM SET 2 QN 51(b)

51(b). *Write **two** advantages of using bio gas.*

(c) Mention any **one** good practice of using the protective item **K**.

.....

49. (a) Mention **one** example of musical instruments in each of the following groups.

(i) String Instruments

(ii) Percussion instruments

E-LEARN WELCOME TO P.7 QN 43

43. *Name the groups of musical instruments marked **A** and **B.***

*(i)A – XYLOPHONE- **percussion musical instruments***

*(ii)B – HARP- **String musical instruments***

(b) Name any **two** methods of storing sound.

E-LEARN PRE PLE SET 5 QN 48(b)

48(b). *Mention two **methods of storing sound** energy.*

E-LEARN PRE PLE SET 7 QN 48(a)

48(a). *Name the **methods of storing sound** B and C.*

E-LEARN MID TERM ONE QN 53(b)

53(b). *Mention one **method of storing**.*

50. (a) State the name given to insects that live and work together.

.....

(b) Give any **one** way in which insects are useful to people.

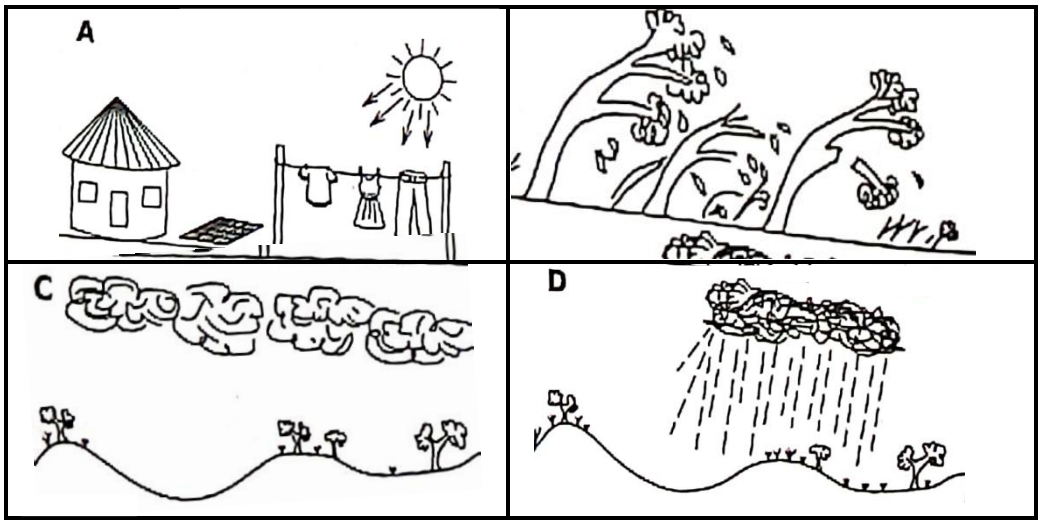
.....

(c) State any **two** human activities that are dangerous to insects in the environment.

(i) .....

(ii) .....

51. The diagram below shows types of weather. Study it and answer the questions that follow.



(a) Name the type of weather marked **C**.

.....

(b) State **one** way in which the type of weather **A** helps in the formation of the type of weather in **D.**

E-LEARN PRE PLE SET 8 QN 45(C)

45(C). *What is the function of the sun during rain cycle?*

E-LEARN MOCK QN 43(b)

43(b). *How is the sun important in the water cycle?*

(c) Give **one** way in which people protect themselves from the effect of type of weather in **B.**

E-LEARN PRE MOCK SET 4(SST) QN 5

5. *How do people reduce the dangers caused by strong wind?*

(d) State any **one** way in which too much of the type of weather in A is dangerous to the environment.

E-LEARN PRE MOCK SET 3 QN 54(c)

54(c). *State any two ways heat from the sun can be dangerous to our environment*

52. (a) State the meaning of the term **vaccine**.

.....

(b) Mention the way in which polio vaccine is administered.

E-LEARN MOCK QN 7

7. *How is the vaccine for the above disease (**polio**) administered in babies?*

E-LEARN PRE PLE SET 2 QN 7

7. *Apart from polio vaccine, mention any **one** other vaccine given to babies by putting drops in the mouth.*

(c) State the reason why vaccines should be stored in a cool place.

E-LEARN PRE PLE SET 1 QN 54(d)

54(d). *Give one condition under which medical drugs are supposed to be kept.*

E-LEARN WELCOME TO P.7 QN 44(c)

44(c). *State any one condition under which drugs should be stored.*

(d) Identify any **one** way you can support immunization programmes in your community.

E-LEARN PRE PLE SET 7 QN 5

5. *Give any **one** role of children in immunization*.

53. (a) Name the physical change which leads to the formation of the following:

E-LEARN MOCK QN 43(a)

43(a). *State the physical process which leads to the formation of clouds.*

(i) Ice

(ii) Rainfall - **E-LEARN PRE PLE SET 8 QN 45(d)**

45(d). *Name any **one** physical process that takes place during water cycle.*

(b) State any **two** effects of physical changes caused by soil erosion in the environment.

E-LEARN PRE PLE SET 2 QN 53

53. *This question required the sign of changes caused by soil erosion on land and in the (c) part, a learner was asked to give the dangers of soil erosion.*

54. (a) Name the **two** muscles found in the human arm.

E-LEARN MID TERM ONE SET 2 QN 40(a)

40(a). *The diagram of muscles of the arm.*

*(a) – Name the muscles marked **S** and **T (BICEPS** and **TRICEPS)***

(b) State any **one** function of muscles in the human body.

E-LEARN PRE MOCK SET 1 QN 49(a)

49(a). *Give **two** functions of muscles to the human body.*

(c) State the importance of maintaining correct posture in humans.

E-LEARN PRE PLE SET 4 QN 19

19. *Why are we always encouraged to have proper body posture?*

E-LEARN MID TERM ONE QN 20

20. *Why are pupils encouraged to have a good body posture?*

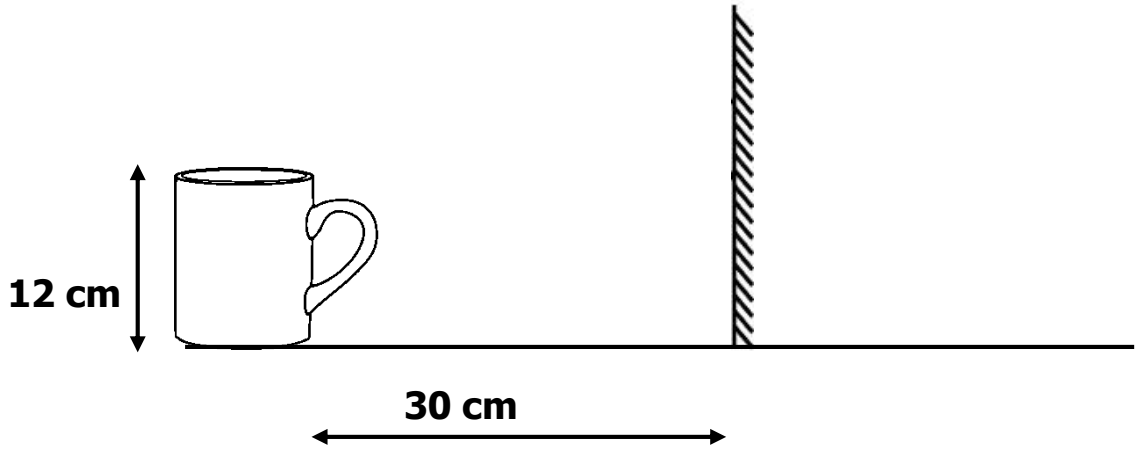
E-LEARN PRE MOCK SET 3 QN 45(c)

45(c). *State any two ways of maintaining the skeletal system in proper working condition.*

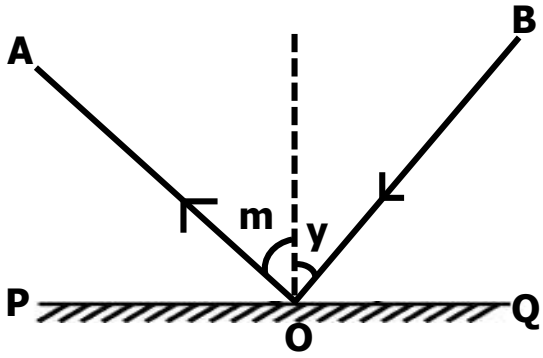
55. (a) The diagram below shows a cup 12 cm high placed 30 cm infront of a plane mirror. Draw the image of the cup.

E-LEARN PRE MOCK SET 2 QN 43(c)

43(c). *Give **two** characteristics of images formed by plane mirrors.*



(b) The diagram below shows a reflection on a plane mirror **PQ.**



(i) Name the ray **A.**

E-LEARN PRE MOCK SET 2 QN 43(a)

43(a). *Name the ray marked **OP.***

(ii) State the relationship between angles **m** and **y**.

E-LEARN PRE MOCK SET 2 QN 43(b)

43(b). *Find the value of a* ***< of incidence = < of reflection***

CONCLUSION:

Almost all questions for **PLE 2024** Science appeared in our **E-learn P.7 exams.** Some questions were exact, others related and the rest required similar approach from the different exams that we had. Congratulations to those who trusted us!

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