



THE E-LEARN EXAMINATIONS BOARD

PRE - PLE SET NINE / TEN

2025

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random. No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

Read the following instructions carefully:

1. Do not write your **district name** anywhere 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 **12 printed pages** altogether.
3. Answer **all** questions. **All** answers for both Sections **A** and **B** must be written 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.

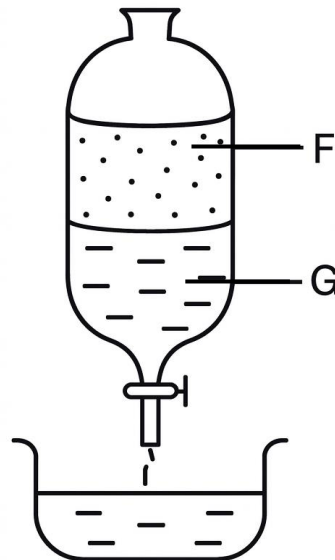
FOR EXAMINERS' USE ONLY		
QN. NO.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION A: 40 MARKS

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

1. Mention any **one** non-living agent of seed dispersal.
.....
2. State **one** way in which proper waste disposal is important in a home.
.....
3. Mention **one** example of a plant which bears grains.
.....
4. Mention **one** characteristic of a mango seed that makes it dispersed by man.
.....
5. Mention the reason why a red-hot charcoal is regarded to as an incandescent object.
.....
6. State **one** visible sex characteristics in boys.
.....
7. Write **one** importance of regular dental flossing.
.....
8. Mention **one** characteristic common to all arthropods.
.....
9. State the part of a vacuum flask that prevent heat loss or gain by radiation
.....
10. Name the type of lens that makes light rays meet at a common point.
.....
11. State the reason why tubal ligation in women is similar to vasectomy in men.
.....

The diagram below shows a method of separating water and sand. Use it to answer the questions **12** and **13**



12. What name is given to the solid particles that remain on top of cotton wool in the above funnel?

.....

13. State the main reason why deciduous plants shed their leaves during dry season.

.....

14. Given a reason why water is added to a composite pit.

.....

15. Name the disease of rabbits that causes wounds on ears.

.....

16. What name is given to a region around a magnet where its magnetic field is felt.

.....

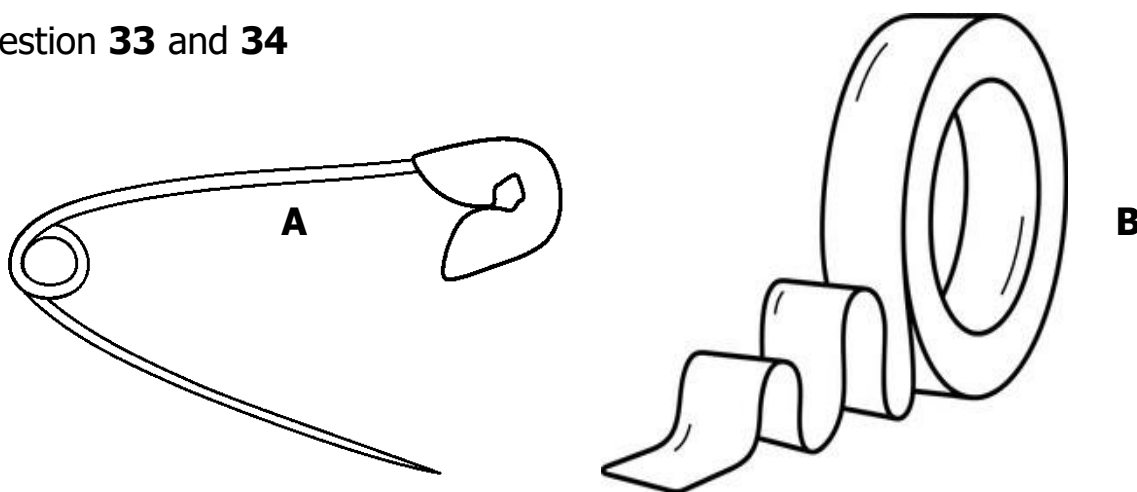
The diagram below shows **one** of the plant process. Study it and answer the questions **17** and **18**



17. Name part **K**
.....
18. State the role of part **M** during fertilization in plants.
.....
19. Name **one** organism that causes rotting of food.
.....
20. Give any **one** way fossil fuels can be conserved.
.....
21. State the function of the stomach in the digestive system.
.....
22. Name the organ in insects that receive sound vibrations.
.....
23. State the reason why milk tanks and cans should be covered with silver coating.
.....
24. Mention the disease that is spread by a vector that breeds on fast flowing water.
.....
25. State **one** advantage of coppicing to a tree farmer.
.....
26. Name the element of PHC that helps to reduce death of mothers and their babies.
.....
27. State **one** functional similarity between hooks and suckers of a tapeworm.
.....
28. Name the type of thermometer that is reset using a magnet.
.....

29. State the reason why Marasmus is regarded to as a starvation disease.
-
30. State one way in which you can identify whether or not a child has been immunized against a certain disease.
-
31. As a young farmers club, why would you choose to grow legumes over root tubers.
-
32. Mention the state of matter with no proper shape but has volume.
-

The diagram below shows items found in a first aid kit. Study and use it to answer question **33** and **34**



33. Name the item marked **A** in the above diagram.
-
34. State the difference in function between instrument **A** and **B** in a first aid kit.
-
35. State the reason why a windmill should be placed on an open raised area.
-
36. Name the form of energy needed in recycling of metal scraps.
-

37. State **one** similarity between the joint at the elbow and a door hinge.
.....
38. Name the body organ to which the optic nerves of the eye connect.
.....
39. Besides volume, write **one** other characteristics of matter.
.....
40. Mention any **one** way in which animals can be used as energy resources in the environment.
.....

SECTION B: 60 MARKS

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

41. (a) Mention any **two** components of soil which supports germination when seeds are put in it.
(i).....
(ii).....
- (b) State any **two** importance of humus in the soil.
(i).....
(ii).....
42. (a) Mention any **two** uses of electricity to road users.
(i).....
(ii).....
- (b) State **two** ways of controlling accidents at home.
(i).....
(ii).....

43. (a) How does salting preserve meat?

.....

(b) You are provided with wet banana peelings, it contains water and a metallic plate. Describe how you can make local salt solution for flavoring your beans at home. (03 marks)

.....

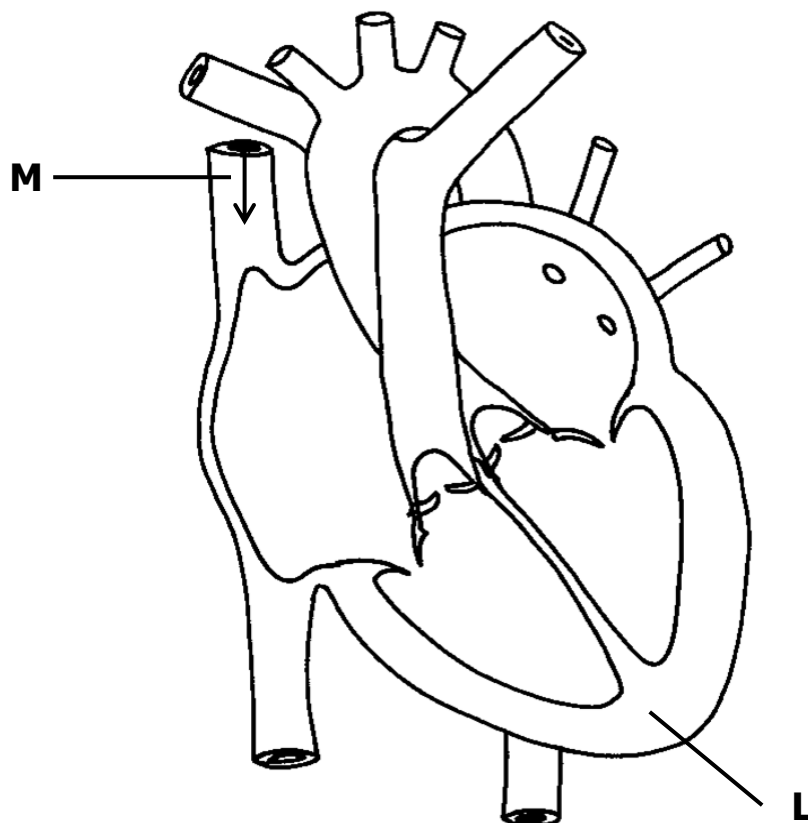
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.....

.....

.....

44. The diagram below is of a circulatory system. Use it to answer questions that follow.



(a) Name parts labelled **L** and **M**

L

M

(b) State the function of each of the following parts:

(i) Pulmonary artery

.....

(ii) Semilunar valve

.....

45. (a) Write the term used to define the care given to a pregnant mother in health centres before delivery.

.....

(b) State any **one** way a Village Health Team (VHT) can use to collect data during a health survey.

.....

(c) State **two** roles of VHTs in the community.

(i).....

(ii).....

46. (a) Name the part of the VIP latrine that:

(i) Holds waste

.....

(ii) Allows air circulation

.....

(b) State any **two** ways of keeping a latrine clean.

(i).....

(ii).....

47. (a) Define the term **antisocial behaviour**.
-
-
- (b) State any **one** way in which the good behaviour of teachers helps to control antisocial behaviour in school children.
-
- (c) State any **two** roles played by the community to control antisocial behaviour.
- (i).....
- (ii).....

48. The table below shows list of terms used in soil science in **A** and their meanings in **B** but in a wrong order. Study them and match correctly.

A	B
Soil profile	The ability soil to provide adequate nutrients to support plant life
Soil fertility	The removal of top soil from one place to another
Soil erosion	The prevention of damage of wastage of soil
Soil conservation	The vertical arrangement of soil layers

- (i) Soil profile
-
- (ii) Soil fertility
-

(iii) Soil erosion

.....

(iv) Soil conservation

.....

49. (a) Mention **two** effects of HIV/ AIDS to the economy of Uganda.

(i).....

(ii).....

(b) State **two** life skills a teenager should acquire in order to avoid contracting HIV/AIDS.

(i).....

(ii).....

50. (a) Mention **two** factors that affect friction of an object.

(i).....

(ii).....

(b) Write any **two** ways in which people increase friction.

(i).....

(ii).....

51. The table below shows diseases of cattle, their causes and prevention. Use it to fill in the blank spaces.

Disease	Cause	Prevention
East Coast fever		Spraying cattle to kill ticks
.....	Virus	Vaccinating cattle regularly
Mastitis	Bacteria	
.....	Protozoa	Spraying cattle to kill tsetse flies

52. (a) Mention **two** devices involved in the production of hydro electricity
- (i).....
- (ii).....
- (b) State **two** ways animals can be used as energy resources.
- (i).....
- (ii).....
53. (a) Give any **one** example of a bird of prey.
-
- (b) Mention any **two** characteristics of birds of prey.
- (i).....
- (ii).....
- (c) State any **one** importance of scavenger birds in the environment.
-
54. (a) Write **two** components of plant glucose made during photosynthesis.
- (i).....
- (ii).....

Turn Over

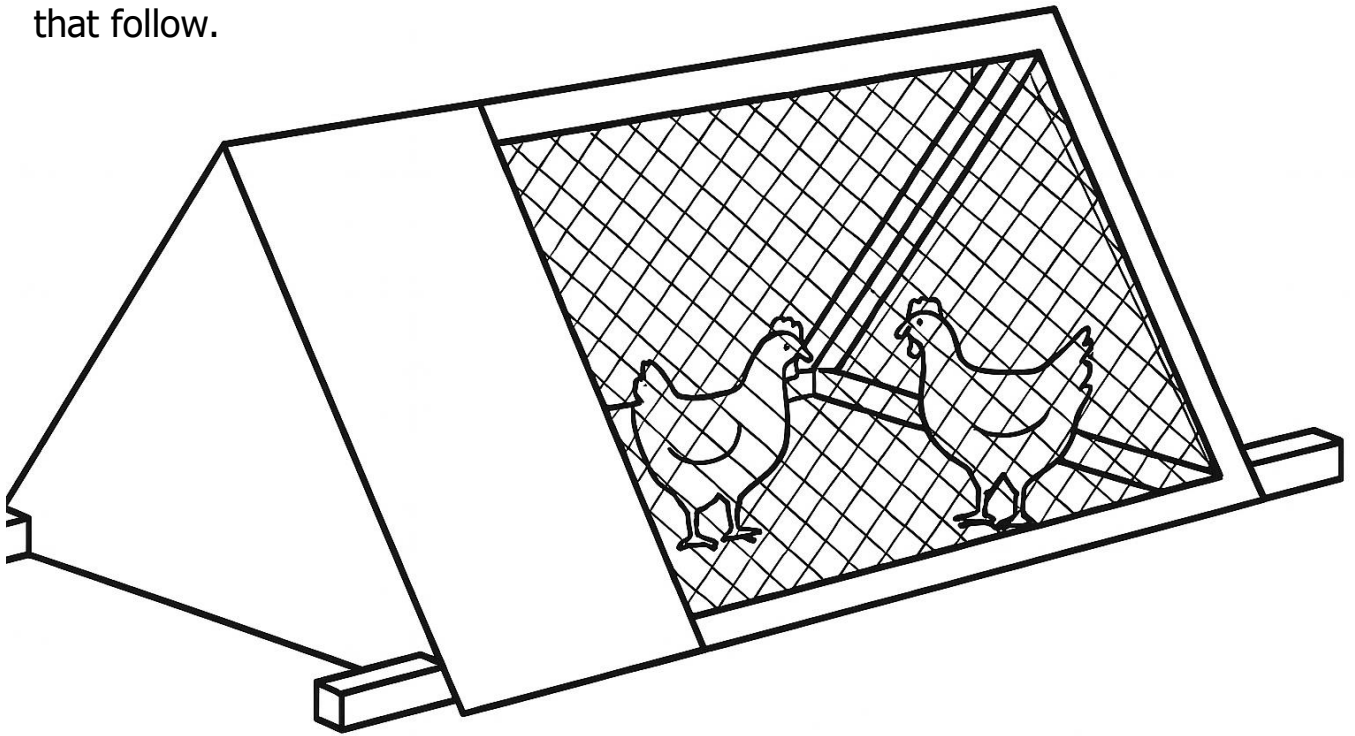
(b) How does photosynthesis help to purify air?

.....

(c) How is photosynthesis important to animals.

.....

55. The diagram below shows a system of rearing birds. Study it and answer questions that follow.



(a) Name the system of poultry rearing shown above.

.....

(b) Identify any **one** poultry vice that can be controlled by the above system.

.....

(c) Give **two** advantages of this system of rearing poultry.

(i).....

(ii).....