



THE E-LEARN EXAMINATIONS BOARD

P.7 PRE PLE SET ONE / TEN

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.	EMIS No.					Personal No.		

Pupil's Name:

Pupil's Signature:

School Name:

District Name:

Read the following instructions carefully:

1. Do not forget to write your **school** or **district 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 **10** printed pages altogether.
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 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. State any **one** habit that promotes personal hygiene.

.....

2. How is the reproduction in conifers different from that in other nonflowering plants?

.....

3. Explain how plants are used as energy resources in the environment?

.....

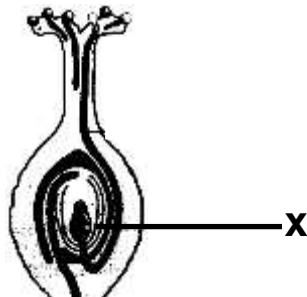
4. Lenita burnt herself with hot porridge. What type of injury did she get?

.....

5. State any **one** function of the ovaries in the female reproductive system.

.....

Study the diagram below and use it to answer questions 6 and 7



6. What general name is given to the above part of a flower?

.....

7. What does part **X** turn into after fertilization?

.....

8. How does bush burning cause soil erosion?

.....

9. Give **one** characteristic of chemical changes.

.....

10. Why should electric wires be properly insulated?



.....

11. Why is it advisable to put a solid object in the mouth of a person who has a convulsion?

.....

12. Identify the role of smoke when harvesting honey bees.

.....

13. Identify the childhood immunisable disease that causes muscles of baby to become stiff.

.....

14. Name any **one** secondary sex characteristic change that is common to both adolescent boys and girls.

.....

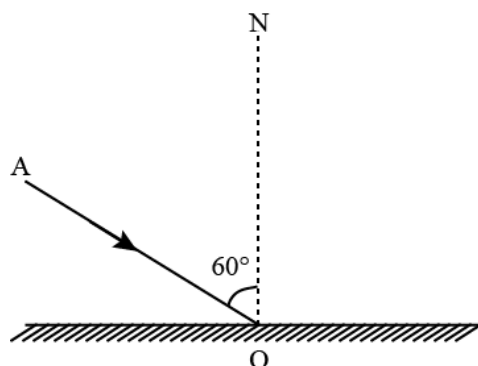
15. How does rural electrification help in the saving of the environment?

.....

16. Name any **one** method used in family planning.

.....

Study the diagram below and use it to answer numbers **17** and **18**.



17. Complete the diagram above by showing the reflected ray.

Turn Over

18. State **one** law of reflection.

.....

19. Which blood cells are attacked by plasmodia germs?

.....

20. What is the breeding place for mosquitoes?



.....

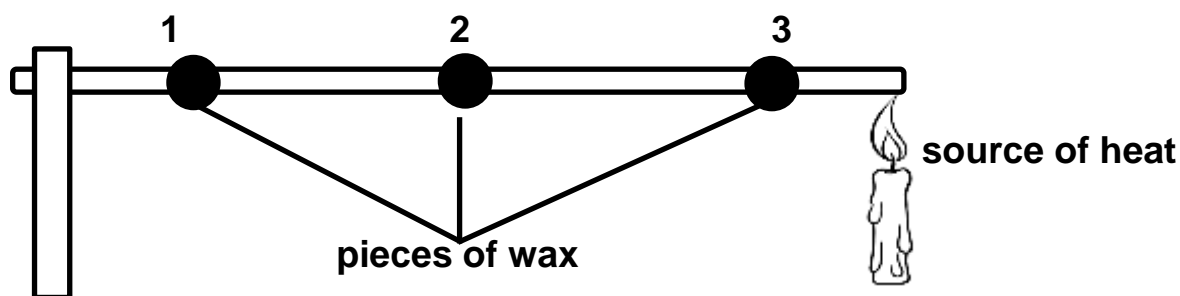
21. Name any **one** example of farm record a dairy farmer can keep on his farm.

.....

22. How do we call a turning point of a machine?

.....

The diagram below shows a method of heat transfer in matter. Use it to answer questions **23** and **24**.



23. Name the method of heat transfer shown in the diagram above.

.....

24. Which piece of wax will fall off the metallic rod first?

.....

25. State any **one** characteristic of insect pollinated flowers.

.....

26. What is the importance of leaving telephone and electric wires loosely fixed between the poles?

.....

27. State **one** way of controlling poultry vices in a poultry farm.

.....

28. Identify the part of air needed for respiration to take place.

.....

29. How does the boiling of water make it safe for drinking?

.....

30. Give **one** way termites depend on soil.



.....

31. Which component of an electric circuit melts in order to break the circuit?

.....

32. Mention the method of harvesting trees shown below.



33. How does poor feeding affect the production of milk in lactating cows?

.....

34. Name the set of teeth that develops in a two year's child mouth.

.....

35. Which advise can you give to a mother whose child is suffering from Scurvy?

.....

Turn Over

36. Identify **one** solute used to make ORS.

.....

37. State any **one** function of the liver in the body.

.....

38. How is the role of gills in a fish different from those of a mushroom?

.....

39. Give any **one** example of a crop pest.

.....

40. Identify any **one** disease that affects both poultry and rabbits.

.....



SECTION B: 60 MARKS

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

41. (a) Give any **one** example of a legume.

.....

(b) Which gas is used by legumes to form nitrates in the soil?

.....

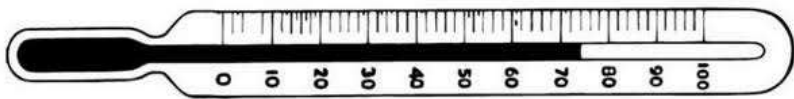
(c) What food value do we get from leguminous plants?

.....

(d) Give any **one** characteristic of leguminous plants.

.....

42. The diagram shows a clinical thermometer. Use it to answer the questions that follow:



- (a) What is the use of the above instrument to a health worker?
.....
- (b) Give the importance of a kink on a clinical thermometer.
.....
- (c) Why do health workers shake the above thermometer before using it to another person?
.....
- (d) Mention any **one** part of the body where a clinical thermometer is put to record the body temperature.
.....

43. Name the blood component that carries out the following functions.

- (a) Body defence.
.....
- (b) Carrying of oxygen.
.....
- (c) Clotting of blood
.....
- (d) Carrying of digested food.
.....

44. (a) Identify **one** condition necessary for rusting to take place.



(b) State **one** way of preventing rusting in garden tools.

.....

(c) How are the following garden tools used during farming activities?

(i) Forked hoe.

(ii) Secateurs.

45. Study the life cycle of an insect below and use it to answer the questions about it.



(a) Identify the insect with such life cycle.

.....

(b) Name any **one** disease spread by the insect named in (a) above.

.....

(c) List down **two** other examples of insects that are vectors.

(i)

(ii)

46. (a) Identify **one** method used in production of alcohol.

.....

(b) Name **one** body organ that is greatly affected by alcohol.

.....

(c) State **one** effect of alcohol to an individual.

.....

(d) Write down **one** factor that leads to alcoholism.

.....

47. (a) Give any **one** component of the soil.

.....

(b) Name the type of soil that has rough particles.

.....

(c) How are the following organisms useful to the soil?

(i) Earthworms.....

(i) Bacteria.....

48. Study the diagram below and use it to answer the questions that follow.



(a) Name the simple machine illustrated above

.....

(b) Why is the above machine grouped under first class levers?

.....

(c) Name any **one** other example of machine that can be placed in the same class of levers like the one above.

.....

(d) State any **one** way how machines simplify work.

.....

49. Match the items in A with those in B correctly.

A

Proteins

Vitamin A

Iodine

Iron

B

Goitre

Kwashiorkor

Night blindness

Anaemia

- (i) Proteins
- (ii) Iron
- (iii) Vitamin A
- (iv) Iodine

50. (a) Identify **one** product got from sheep.



.....

(b) How long is the gestation period of a ewe?

.....

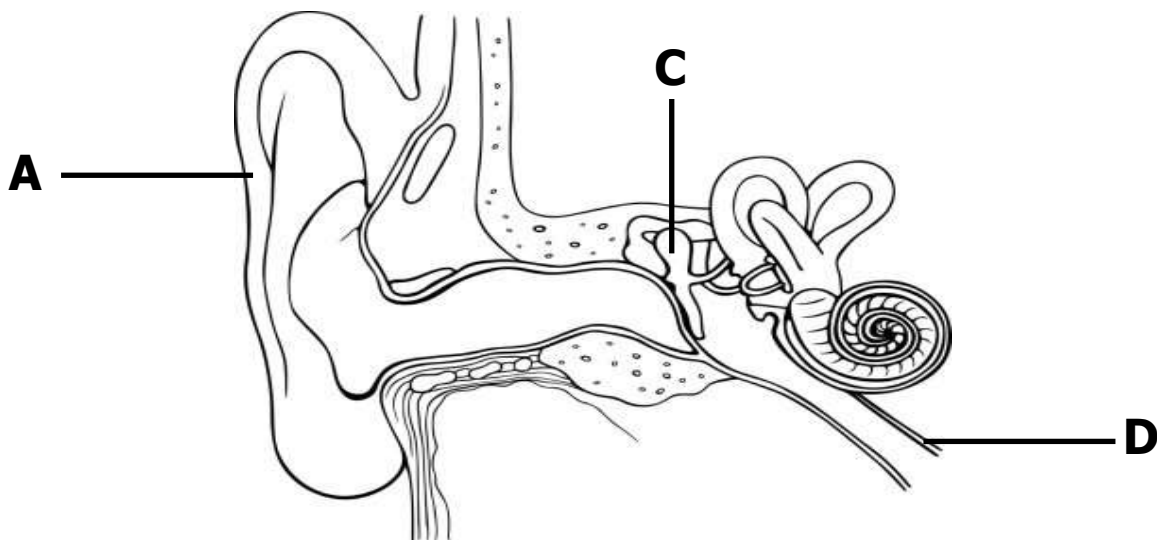
(c) How is docking an important practice in sheep management?

.....

(d) Write down any one ecto parasite that affects sheep.

.....

51. Study the diagram below and answer the questions about it.



(a) Name the parts labeled **C** and **D**.

(i)

(ii)

(b) State the function of the part marked with letter **A**

.....

(c) A part from hearing, give **one** other function of the human ear.

.....

52. (a) Define an Alloy.

.....

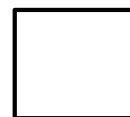
(b) List down **one** example of an alloy.

.....

(c) State **one** importance of making alloys.

.....

(e) Why are overhead cables (wires) made of aluminium?



.....

53. Identify the type of weather where the following activities are carried out easily.

(i) Winnowing of cereal crops.

(ii) Harvesting of cereal crops.....

(b) How are the following weather instruments useful at a weather station?

(i) Wind sock

(ii) Rain gauge

54. (a) Briefly give the meaning of drug prescription.

.....

(b) Musa was given a drug to take as shown in A below, when his friend came he removed the drug and kept in another container as shown in **B**



(c) What danger was Musa likely to face if he later used the drug?

.....

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

.....

(e) Give **one** example of essential drug.

.....

55. (a) Identify any **one** part of the body where each of the following joints are found.

(b) Ball and socket joint.

.....

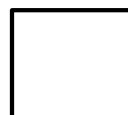
(d) Hinge joint.

.....

(b) Mention **two** functions of the skeleton to animals.

(i)

(ii)



END



**TRUST HIGH SCHOOL
KABUBBU (GAYAZA)**
"Strive for Excellence"

CONTACTS
P.O. Box 19020 Kasangati
Tel.: (+256) 755-583 704 (Director)
774 196 494 (Head teacher)
705-100 479 (Deputy HM)
Bursar: 0752 090 877/0772 582 704

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S.1 - S.4	1,200,000/=	S.1 - S.4	450,000/=
S.5 - S.6	1,500,000/=	S.5 - S.6	500,000/=