



# THE E-LEARN EXAMINATIONS BOARD

WELCOME TO PRIMARY SEVEN

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 **12** 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. Name any one vulnerable group of people found in your community.

.....

2. Which advice would you give to a mother whose child is suffering from marasmus?

.....

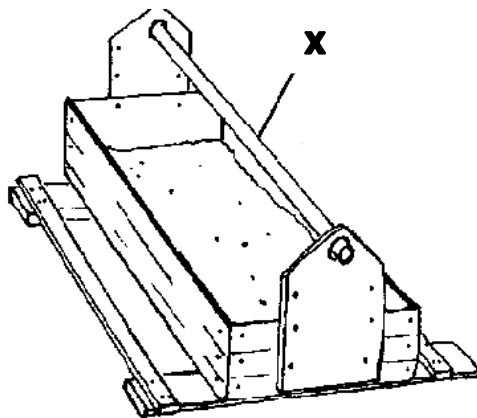
3. State the reason why people suffering from malaria develop anaemia.

.....

4. Apart from eating food, how useful are teeth to man?

.....

The diagram below shows an equipment used on a poultry farm. Use it to answer questions **5** and **6**.



5. How useful is the above equipment to a poultry farmer?

.....

6. Write the importance of part marked **X** on the equipment.

.....

7. State the method which can be used to separate paraffin from water.

.....

8. Give a reason why farmers soak some crop seeds before sowing?

.....

9. Mention one reason why animals with exoskeleton shed it seasonally.

.....

10. How are splints useful when giving First Aid to a casualty who has got a fracture on the leg?



.....

11. Why does sand soil lose water faster than clay soil?

.....

12. Give the structural difference between arteries and veins.

.....

13. State one advantage of paddock grazing over other systems of grazing.

.....

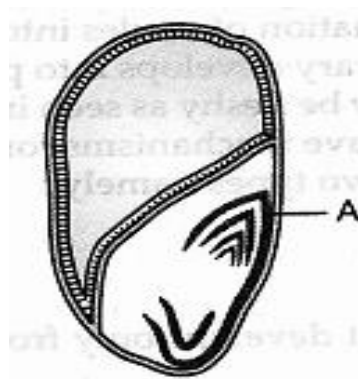
14. Identify one secondary sex change that takes place in both adolescent boys and girls.

.....

15. Why do earthworms die when oil is poured on them?

.....

The diagram below shows a maize grain. Study and use it to answer questions **16** and **17**.



16. Name the part marked **A**.

.....

**Turn Over**

17.State any one factor that may lead the above maize grain fail to germinate when all conditions are provided.

.....

18.Why should Saanen goats be given a block of salt to lick?

.....

19.Give a reason why salivary amylase fails to work when food reaches stomach?

.....

20.State one advantage of covering food with banana leaves while cooking.

.....



21.Write down one effect of heat gain or loss or matter.

.....

22.What is the importance of washing hands while preparing **ORS**?

.....

23.Besides making cosmetics, mention any one other industrial use of honey.

.....

24.Name the standard units in which mass is measured.

.....

25.State one way physical exercises are useful in the growth of a human being.

.....

26.Write any one characteristic that makes some flowers pollinated by wind.

.....

27.State any one of caring for tuber crops in the garden like sweet potato.

.....

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

.....

29.Why is not advisable to clean our ears using sharp objects?

.....

30. Identify one feature used to classify birds in our environment.



.....

31. State any one way in which filtration is useful in our daily life.

.....

32. Give one reason why there is no change between inhaled and exhaled nitrogen.

.....

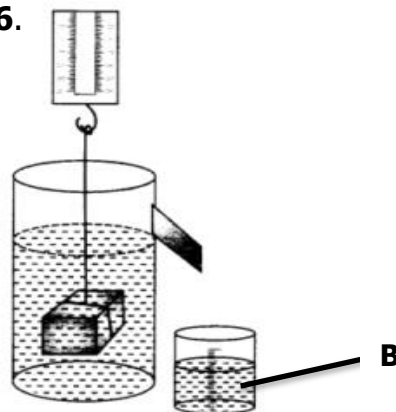
33. Mention any one way people can re-use plastics in our homes.

.....

34. State the reason why a house for cattle should have a slanting floor.

.....

The diagram below shows a way of finding the volume of an irregular object. Use it to answer the questions **35** and **36**.



35. Name the method used in finding the volume of the stone above.

.....

36. How is container **B**, useful to the person carrying out the above experiment?

.....

37. State the role of a larva stage in the development of a butterfly.

.....

38. Mention one importance of photosynthesis to humans.

**Turn Over**

.....

39.State any one way of conserving energy resources got from fossil fuels.

.....

40.Why does blood in veins flow in one direction?

.....



**SECTION B: 60MARKS**

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

41.a Give the meaning of the following types of changes in the environment:

(i) Biologicalchange.....

.....

(ii) Chemicalchange.....

.....

(b) What happens to the mass of ice when it melts?

.....

(c) Identify one example of biological changes in plants.

.....

42.(a) Name the Immunisation site of BCG vaccine on body of babies.

.....

(b) At what age is measles vaccine administered to children?

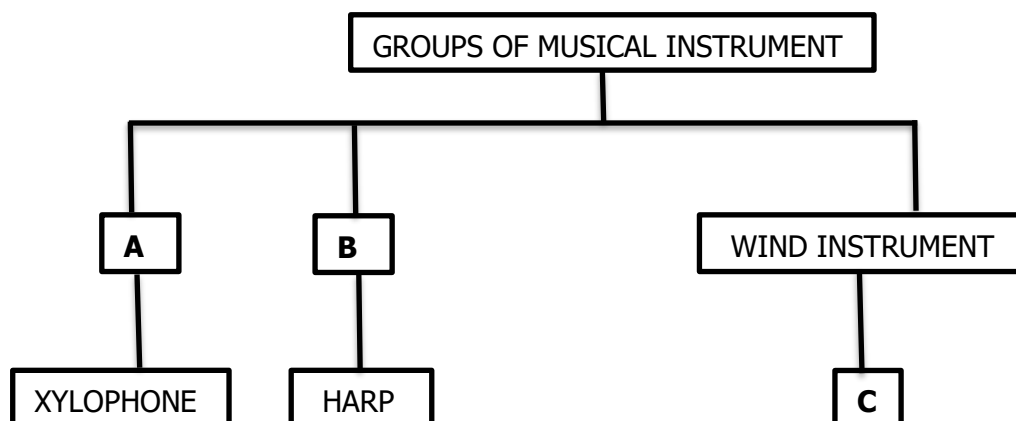
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(c) Mention any two reasons why mothers take their young babies for immunisation.

(i).....

(ii).....

43. The table below shows group of musical instruments. Use it to answer question **43**.



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

(i) **A**.....

(ii) **B**.....

(b) How can the pitch of sound produced by a harp in group **B** be varied?

.....

(c) Give any one example of instrument in **A**.

.....

44.(a) Mention any two drugs of dependency in our society.

(i).....

(ii) .....

(b) Give one way drugs are misused.

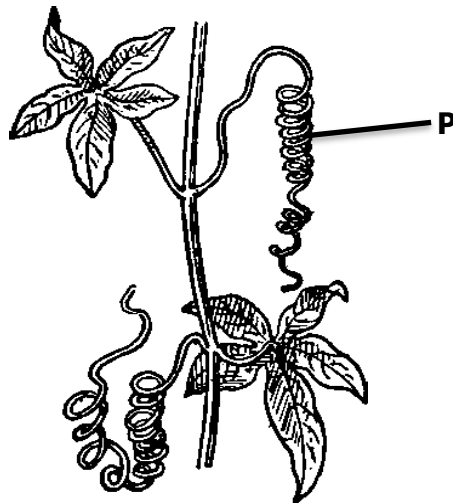
.....

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

.....

**Turn Over**

45. The diagram below is of part of a climbing plant. Use it to answer questions that follow.



(a) Name part marked **P**.

.....

(b) Why do plants with such structures climb other plants?

.....

(c) Write down any two other methods plant use to climb others.

(i) .....

(ii) .....

46.a Besides meat, name any other two products we get from rabbits.

(i) .....

(ii).....

(b) What is meant by the term a doe?

.....

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



.....

47.(a) Name the component of soil that helps it absorb heat from the sun.

.....



(b) Apart from improving soil fertility, give any other reason of putting manure in the garden.

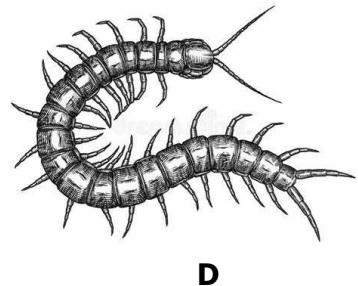
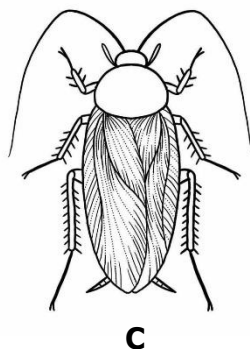
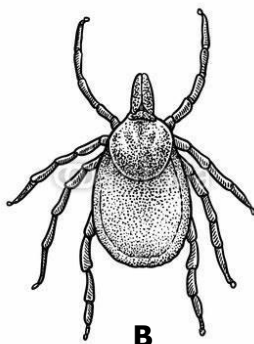
.....

(c) Write down any one importance of the following types of soils to man:

(i) Clay soil.....

(ii) Sand soil.....

48. The diagrams below show examples of some invertebrates. Study it carefully and use it to answer questions that follow.



(a) Name the animals labelled C and D.

**C**.....

**D**.....

b) Under which group of invertebrates does animal **B** belong?

.....

c) Why are the animals above grouped under invertebrates?

.....

49. Kapiito mixed sugar and water in a cup and stirred them until they formed a uniform mixture.

(a) What happened to the sugar after stirring?

.....

**Turn Over**

(b) Give one other substance which can be used in the above experiment instead of sugar.

.....

(c) What term is given to the uniform mixture formed?

.....

(d) Why is water called a universal solvent?



.....

50. (a) Give a reason why a VIP latrine said to be:

(i) improved.....

(ii) ventilated.....

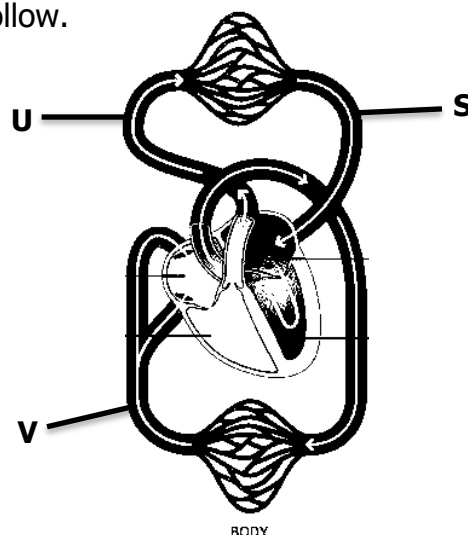
(b) Why is it recommended to build a pit latrine 30 metres from a water source?

.....

(c) What is the importance of smoking pit latrines using dry banana fibres?

.....

51. The diagram below shows blood circulation in human being. Study it carefully and answer the questions that follow.



(a) Name the organ marked with letter **T**.

.....

(b) Which blood vessel is marked with letter **S**?

.....

(c) State the similarity between blood vessel **U** and **V**.

.....

(d) Why does blood vessel **S** bring blood back to the heart?

.....

52. (a) In which season do crop farmers harvest cereals like maize?

.....

(b) State any two effects of clouds in our environment.

(i) .....

(ii) .....

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

.....



53. (a) Why is water regarded as a renewable resource?

.....

(b) State any one way how the following products are harvested from animals.

(i) meat.....

(ii) milk.....

(c) Which animal fibre is got by shearing?

.....

54. The diagram below shows a garden tool used by man. Use it to answer questions that follow.



**Turn Over**

(a) Name the garden tool shown above.

.....

(b) Apart from cutting big trees, how useful is the above garden tool to man?

.....

(c) State any two ways of caring for garden tools used by farmers.

(i).....

(ii).....

55. Match correctly the vectors in **A** with the respective germs they carry in **B**.

**A: Vectors**

Itch mite

Rat flea

Lice

Cockroach

**B: Germs**

Rickettsia

Salmonella typhi

Yersinia pestis

Sarcoptes scabiei

(i) Itch mite .....

(ii) Rat flea.....

(iii) Lice.....

(iv)Cockroach.....

**END**

