



# THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD

## THE REAL VERIFIED UNEB BLUE PRINT ITEMS FOR PRIMARY LEAVING EXAMINATIONS

2023

### INTEGRATED SCIENCE (SET EIGHT)

*Time allowed: 2 Hours 15 Minutes*

Index no:

Random No					Personal No		

Candidate's name: .....

Candidate's signature: .....

School: .....

District : .....

### Read the following instructions carefully

1. This paper is made up of two sections: **A** and **B**.
2. Section **A** has **40** questions (**40 marks**).
3. Section **B** has **16** questions (**60 marks**).
4. Answer ALL questions in both sections **A** and **B**.
5. All answers **MUST** be written in the space provided  
In blue or black ball point pens or ink. All diagrams  
Should be in pencil.
6. Unnecessary crossing of answers will lead to loss of  
Marks.
7. Poor hand writing which cannot be easily read,  
May lead to loss of marks.

#### FOR EXAMINERS' USE ONLY

Qn. No	MARKS	SIGN
1 – 10		
11– 20		
21 – 30		
31– 40		
44 – 46		
47 – 48		
49 - 51		
52 - 53		
54 - 55		
<b>TOTAL</b>		

**The Real Private Teachers' Voice Examinations Board 2023.**

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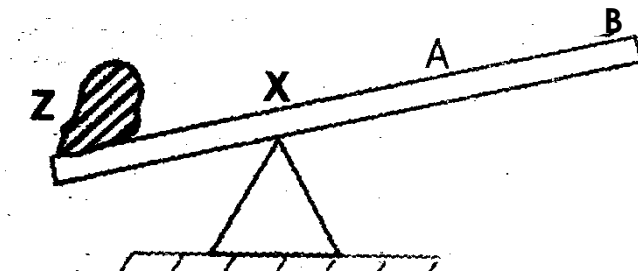


1. State the type of feature where a broken bone comes out of the body.

### SECTION A (40MKS)

2. Why should a bee keeper put the hive in a quiet and sheltered area?
3. Which human body organ purifies one's blood?
4. Name the disorder of the digestive system that involves small intestines becoming narrow to allow proper food and water flow.
5. Mention down a stage of a housefly that feeds on decaying matter.

The diagram below is of a crow bar. Use it to answer questions 6, 7 and 8.



6. Name the part labelled X.
7. Kelli applies force at point A and at B. At what point will he find it easier to lift the load?
8. Give a reason to support the answer you have given in no. 7 above.
9. How is a switch and a fuse similar in terms of their function?
10. Name the group of non-flowering plants whose reproduction is similar to that of beans.
11. Apart from production of testosterone hormone, state another function of testes on male reproductive system.
12. What is the importance of cold water in the distillation process of making alcohol?



13. Give one reason why the government should make immunization services free of charge in Uganda.

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14. How can First Aider induce vomiting in a victim of a rat poison?

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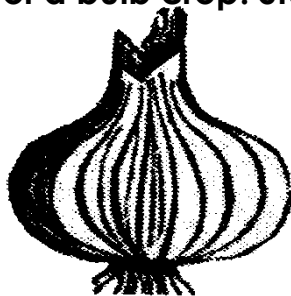
15. State any one practice people should observe to prevent deformation of bones in the body.

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16. How does freezing control the effect of the bacteria in food preservation.

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**The diagram below shows a head of a bulb crop. Study it and answer questions 17 and 18.**



17. How is the above crop propagated?

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18. Give one other crop which is propagated in the same way as the crop shown above.

---

19. State any one characteristic that makes arteries able to withstand pressure of blood pumped from the heart.

---

20. Why should meat be properly cooked before eating it?

---

21. State one way sand can help families to promote Primary Health Care (PHC).

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22. Give any one disadvantage of too much ventilation in the laying boxes of hens.

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23. What is the difference in the function of the endosperm and embryo to the growing embryo?

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24. What is the importance of black coating on a solar panel?

---

25. How is solar eclipse formed?

---

26. State the biological change in insects that enables them increase in size.

---



27. What is the importance of soaking clothes?

28. Identify a method of family planning that is natural and helps in delaying the next pregnancy.

29. How can a farmer stimulate milk let down in lactating cows?

30. State any one characteristic of images formed on a plane mirror.

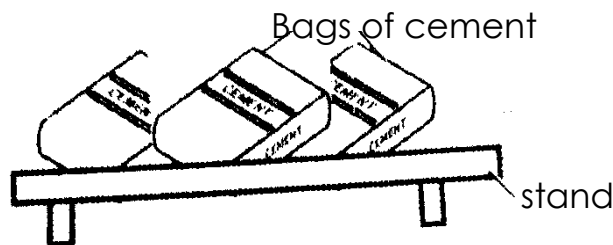
31. How is density of a ship important to sailors?

32. How does clay lining in energy saving stoves help to conserve wood fuel at home?

33. State one feature on the body of an eagle that helps it to catch its prey.

34. Mention the renewable resource in the environment that can be replaced through rain cycle.

**The diagram below shows bags of cement in a store. Study it carefully to answer questions 35 and 36.**



35. Why are the bags of cement put on such a raised stand?

36. What type of mechanical energy is possessed by bags of cement placed on a stand?

37. How important is a food chain in the environment?

38. Give any one way in which the spread of rabies can be controlled.

39. How does increase in tension of the strings affect pitch produced by a guitar?

40. Mention down the part of the human respiratory system that prevents the trachea from collapsing during breathing.

### **SECTION B (60 Marks)**

41. a). Name the substance that determines skin colour.

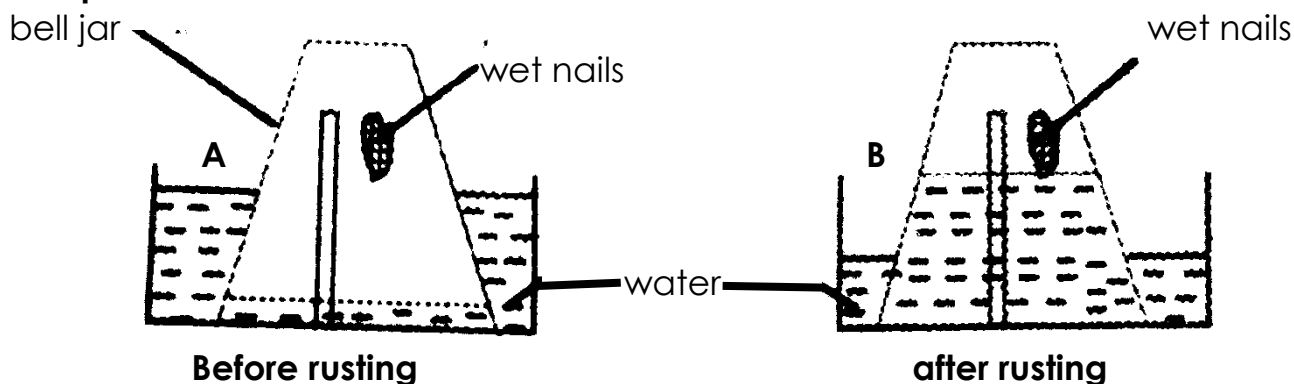


b). Give any two ways the skin protects the human body.

i) \_\_\_\_\_

ii) \_\_\_\_\_

42. The experiment below was done by the P.5 class about rusting. Use it to answer questions that follow.



a). What does the experiment above prove about rusting?

b). Why did the water level rise inside the bell jar in **B**?

c). Why is rusting called a chemical change?

d). Explain what would happen to the wet nails in B if they were greased.

43. In the table below, part A shows some parts of female reproduction system and B shows the function of the parts but in wrong order.

a). uterus	Produces Oestrogen hormone.
b). oviduct	Encloses lower end of the uterus.
c). ovary	Allows fertilization to occur
d).cervix	Is where implantation takes place.

Select from the table the correct function of the parts and write them in the spaces provided below.

a). uterus

b). oviduct

c). ovary

d). cervix



44.a). State the process of soil formation that is caused by the following.

i) action of bacteria on organic mulches

---

ii) action of moving animals

---

b). How do termites help to improve soil fertility?

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c). Apart from termites, mention down one other soil living organism.

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45. a). Write down the component of oral rehydration solution (ORS) that helps the body of a patient:-

i) get energy

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ii) replace lost fluids

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b). Give any two signs shown by a dehydrated child.

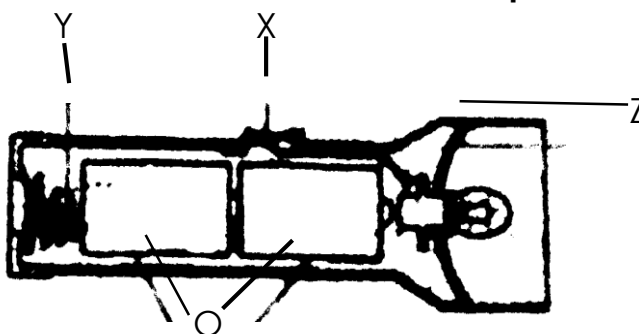
i)

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ii)

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46. The diagram below is of a torch. Use it to answer questions that follow.



a). Name the part labelled O.

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b). How are parts Y and X similar?

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c). What is the function of part marked Z?

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d). State one reason that may fail a bulb to light.

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47.a). Identify a weather instrument used to measure:

i) speed of wind

---

ii) amount of water vapour in the atmosphere

---

b). State any two conditions that may favour the proper working of a rain gauge.

i)

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ii) \_\_\_\_\_

48.a). Mention down two practices carried out by people to conserve animals in the environment.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b).Mention down one renewable resource used by man to provide.

i) wool \_\_\_\_\_

ii) oxygen \_\_\_\_\_

49. **The table below shows lists of animals belonging to different classes of vertebrates.**

**Use it to answer questions that follow.**

P	Q	R
Echidna	newt	snake
Duck billed platypus	salamander	crocodile

a). In which class of vertebrates does a duck billed platypus belong?

b). Name one class of cold blooded vertebrates which is not represented in the table.

c). Identify a group from the table above where one would put a python.

d). How are animals in list P different from those in list Q and R in terms of their body temperature?

50.a). State any two characteristics of traditional manufactured drugs.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b). Give a reason why it is not good to:

i) buy drugs from hawkers

ii) leaves drugs in children's reach

51. a). Which part of a cow is attacked by mastitis?

b). Give two signs of mastitis.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c). State any one way of controlling mastitis in cattle.



52. a). State any two dangers caused by pests and diseases to crops.

i) \_\_\_\_\_

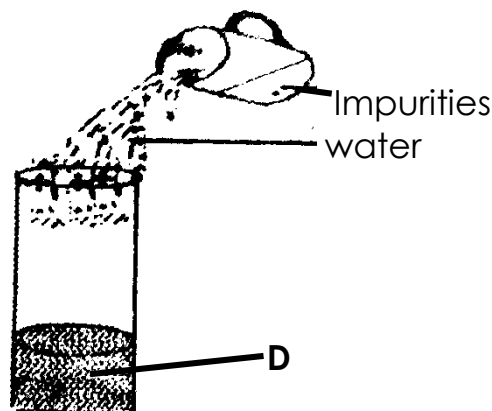
ii) \_\_\_\_\_

b). Give any two practices which help in controlling pests and diseases in a garden.

i) \_\_\_\_\_

ii) \_\_\_\_\_

53. The diagram below shows a method used to separate impurities from water. Use it to answer questions that follow.



b). Name the method of separating mixtures shown above.

b). Give the scientific name for D.

c). Why is D not recommended for drinking?

d). How can D be made safe for drinking?

54. A hen was seen with the following signs.

- Staggering
- Twisted neck
- Mounting of feathers
- Greenish or yellowish diarrhoea

a). Which disease of poultry is the hen suffering?

b). Which germ causes the poultry disease identified in (a) above?

c). State any two practices carried out by poultry farmers to control such a disease.

i) \_\_\_\_\_

ii) \_\_\_\_\_





55. a). Mention a disease of the circulatory system prevented by:-

i) performing regular physical exercises

---

ii) eating food rich in iron

---

b). Give any two ways in which regular physical exercises keep the circulatory system healthy.

i) \_\_\_\_\_

ii) \_\_\_\_\_

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