



THE REAL PRIVATE TEACHERS' VOICE EXAMINATIONS BOARD NEXT TO PRIMARY LEAVING EXAMINATIONS – 2022 THE VERIFIED UNEB BLUE PRINT ITEM (SEVEN)

INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

BASED ON
THE
PRIMARY SCHOOL
ABRIDGED CURRICULUM
FOR UGANDA

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		
TOTAL		

The Real Private Teachers' Voice Examinations Board 2022.

Tel: 0782-927840/0704-816448/0741-126776

REAL PRIMARY LEAVING EXAMINATIONS 2022

Rely on us for weekly, monthly, Beginning of term, midterm and End of term tests. Pre-mocks, Mocks and Pre-PLE Examinations.

OUR PROMISE We are here to ease P.L.E for you. We are ready to **SERVE** you till the last minute.

We are Approachable, Reliable and Affordable



SECTION A (40MKS)

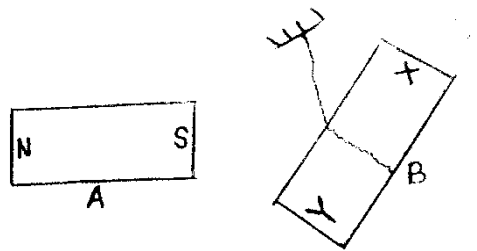
1. Mention any one advantage of using electricity over charcoal for cooking.

2. How does mulching keep water in the soil?

3. Give a reason why washing clothes is a good health practice.

4. Which immunisable disease is spread through fresh cuts and wounds?

Below is a diagram showing two bar magnets A and B. Magnet A is close to B and magnet B is freely suspended. Use it carefully to answer questions 5 and 6.



5. What is pole **Y** of magnet **B**?

6. Why does bar magnet **B** appear as shown above?

7. What type of blood vessels carry blood away from the heart?

8. Why is it bad for patients to take more drugs than prescribed?

9. Mention any one factor that may fail a seed to germinate.

10. Name the part of the human body where re-absorption of water takes place.

11. Why are people advised to eat well roasted meat?

12. Give one example of a rhizome.

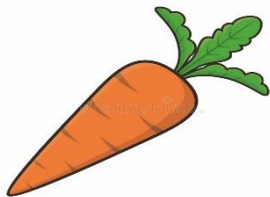
13. Besides breast feeding, state one other way through which a baby may acquire HIV/AIDS from the mother.

14. Which component of blood helps to regulate body temperature?



15. State the type of change prevented by oiling or greasing iron nails.

Below is a certain root tuber. Study it carefully to answer questions 16 and 17.



16. What does the above plant use for propagation?

17. Why should the above plant be included in the diet of a child with poor night vision?

18. Why is alcohol used in the maximum and minimum thermometer?

19. Distinguish between corolla and calyx.

20. Give a reason why breast feeding mothers should be given food rich in mineral salts?

21. Why does clay soil retain more water than sand soil?

22. How is transfer of heat by radiation useful to a farmer?

23. Name any one liquid mineral energy resource.

24. Mention any one sanitary activity that destroys hiding places of mosquitoes.

25. Why do farmers harvest crops in the dry season?

Below is an equipment used when finding volume of an irregular object. Study it carefully to answer questions 26 and 27.



26. Name the equipment above.

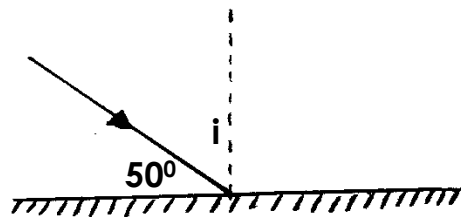
27. State one adaptation of the equipment above to its function.



28. Name the disease that leads to blisters on hooves and tongue of cattle.
.....
29. How does rural electrification preserve the environment?
.....
30. Why is transpiration an important process in the formation of clouds?
.....
31. How do plants make use of carbon dioxide they absorb from the atmosphere?
.....
32. Name the part of a maize grain that absorbs and supplies food to the growing embryo.
.....
33. How does drought lead to swarming?
.....
34. State one weather condition suitable for winnowing.
.....
35. Mention one perennial crop harvested by handpicking.
.....
36. Which substance in the body determines skin colour?
.....
37. Why is smoking tobacco dangerous in public?
.....
38. How does temperature affect the speed of sound?
.....
39. Which method of heat transfer enables ventilators and windows on a house to function?
.....
40. What form of energy is stored by a dry cell?
.....

SECTION B (60 Marks)

41. Use the diagram below to answer questions that follow.



- (a) Complete the above diagram by drawing the reflected ray correctly.
(b). State any one law of reflection.
.....



(c). If an incident ray makes an angle of 50° to the mirror, find the angle of reflection.
(2mks)

42. a). Name the type of chicken reared for meat production of his poultry.

b). Which type mash are the chicken mentioned in (a) fed on?

c). Apart from meat and eggs, give one other way farmers benefit from poultry keeping.

d). How can a farmer improve on the production of his poultry?

43. a). A school health committee made a visit to people's homes to collect information about their health status. What name is given to such a visit?

b). In which two ways is such information collected important to the government?

(i).....

(ii).....

c). Mention down any one piece of information collected during the visit in (a) above.

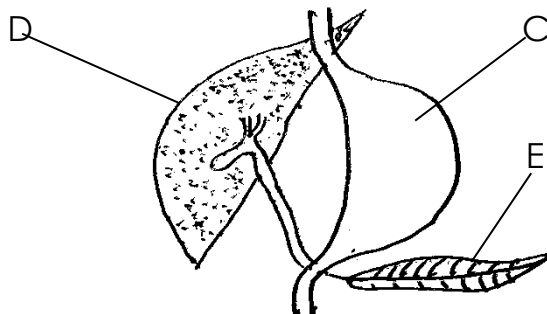
44.a). What is crop rotation?

b). Give one way crop rotation improves soil fertility.

(c). Why should crops in the same family not follow each other during a crop rotation cycle?

d). Name the group of crops that should not miss in a crop rotation cycle.

45. **Study the diagram below and answer questions that follow.**



(a).Name the parts labelled.

(i) E (ii) D

(b). State the function of the function of part D during digestion.

.....

(c). Which digestive juice is produced by E?

.....

46. a). How is a primary consumer different from a secondary consumer?

.....

.....

(b). In which two ways do plants depend on non-living things?

(i).....

(ii).....

c). Name the component of a food chain that speeds up the process of rotting in the environment.

.....

47. In the table below part A shows parts of the human ear and B has the functions of the parts but in wrong order. Select from the list B of the table match the parts of the human ear below:

A	B
Pinna	Converts vibrations to impulses.
Eustachian tube	Collects sound waves.
Cochlea	Converts sound waves to sound vibration.
Ear drum	Balances air pressure.

a) Pinna

b.) Eustachian tube

c.) Cochlea

d). Ear drum

48. a) What is fainting?

.....

b). Mention any two conditions that lead to fainting.

(i) (ii).....

c). What First Aid would you give a person who has fainted?

.....

49 The diagram below shows the types of simple machines. Study it carefully to answer questions that follow.



R



S

(a). Name the type of simple machine to which each of the following belong.

(i) R (ii) S.....



(b). What is the of **S** as a simple machine?

(c). How can man improve on the efficiency of simple machine **R**?

50. a) Name the device that helps to:
(i) convert kinetic energy to electric energy.

(ii) convert electric energy to kinetic energy.

(b) Give any two ways in which electric current produced by a generator can be increased.

(i).....

(iii).....

51. a). What are antisocial behaviours

b). Give any two factors that can lead to antisocial behaviours.

(i).....

(ii).....

(c). How can the community avoid antisocial behaviours among the youth?

52. a). Why is an Irish potato regarded as a stem tuber?

b). Give one difference in propagation between an Irish potato and a sweet potato.

c). Where does a cassava plant store its food after shedding its leaves?

d). How is a sugarcane plant propagated?

53. Below are diagrams of blood vessels. Study them carefully to answer questions that follow.



a). Name the blood vessels marked **P** and **Q**

(i) **P**..... (ii) **Q**.....

b). Give two structural difference between blood vessels **P** and **Q**

(i).....

(ii).....



54.a). Name the diseases spread by ticks in livestock.

-
- (b) State two effects of ticks to cattle.
- (i)
- (ii)
- (c). How can ticks be controlled from attacking cattle?
-

55. a) Give one meaning of the following terms:

- (i) coppicing
-
- (ii). lopping
-
- (b). State any two ways agro forestry conserves the environment.
- (i)
- (ii)

BELIEVE **YOU** CAN **AND** YOU **WILL**

