

TRAIN UP A CHILD N/P SCHOOL - BUKEERERE
SPECIAL TEST VI (SPECIAL MOCK) TERM II, 2024
STANDARD SEVEN
INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No.

EMIS NO.						Personal No.			

Candidate's Name: _____

Candidate's Signature: _____

District ID No:

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FOR EXAMINER'S USE ONLY

Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** marks and section **B** has **15** questions. The paper has **12 printed pages** altogether.
3. Answer **all** questions. **All** answers to 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 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 boxes indicated;
"For Examiner's use only" and boxes inside

Qn. No	MARK	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)

1. Name one property of air.

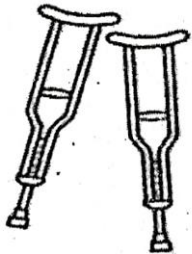
2. State any one example of a material used in basic technology.

3. In which way is a pumice stone useful in promoting personal hygiene.

4. Name any one exotic breed of goats kept for milk production.

5. Name the type of energy possessed by a leaf being blown by wind.

The diagram below shows first aid equipment. Use it to answer the questions 6 and 7.



6. Identify the first aid equipment shown above.

7. Which injury requires the use of the above equipment?

8. Why is it advisable for every school to have a fire extinguisher?

9. Give any one method of preparing food at home.

10. State the energy change that takes place in a working dry cell.

11. State any one symptom of threadworm infestation.

12. Name the method of magnetization that does not involve the use of electric cells.

13. Why does a stone thrown in water settle at the bottom?

Study the diagram below and use it to answer questions 15 and 16.



14. State any one way man can benefit from the instrument above.

15. Give a reason why the above instrument is usually raised off the ground.

16. How do ball bearings reduce friction in machines?

17. Name the cattle disease that makes animals move in circles.

18. State the part of the human ear that changes sound vibrations into impulses.

19. How are the stomata useful in the process of photosynthesis?

20. Mention one example of a root tuber.

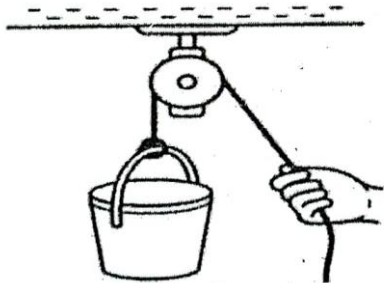
21. Name the vaccine given to babies at birth through injection.

22. Name any one part of the human eye involved in accommodation.

23. Give any one example of a spore bearing non flowering plant.

24. State any one way of applying manure in the garden.

The diagram below shows a pulley system. Study and use it to answer questions 25 and 26.



25. Name the type of pulley system shown above.

26. What is the mechanical advantage of the above pulley system?

27. Give any one importance of wood seasoning in tree harvesting.

28. How does the trimming of fingernails help to control the spread of diarrheal diseases?

29. State any one importance of picking out weeds in a nursesey bed.

30. What fuel is produced by burning wood under limited supply of oxygen?

31. Why is loam soil considered as the best type of soil for crop growing?

32. Name any one adaptation of flowers pollinated by insects.

33. State the importance of a feeding trough in a poultry house.

The diagram below shows a common practice done by mothers to care for their new born babies. Use it to answer questions 34 and 35.



34. Name the practice shown above.

35. Apart from containing most food value, give one other reason why breast milk is the best food for new born babies.

36. Name the structures in the human heart that prevent blood to flow in a wrong direction.

37. State the role played by houseflies in the 4F germ path.

38. Name the type of change that takes place when a rubber band stretches.

39. Name the cattle product that requires regular use of a strip cup.

The diagram below is a mushroom. Use it to answer question 40.



40. State the function of part marked Y to the mushroom.

SECTION B: 60 MARKS

41. a) Name the group of musical instruments to which a drum belongs.

b) Identify any one factor that determines the pitch of sound produced by a drum.

c) In which way is an echo similar to the following in terms of formation;

i) shadow

ii) Image

42. a) Give any two common myths about family planning.

i) _____

ii) _____

b) Name the permanent family planning method in men.

c) State any one importance of PIASCY messages to a P.7 pupil.

43. a) State any examples of harmful fungi.

i) _____

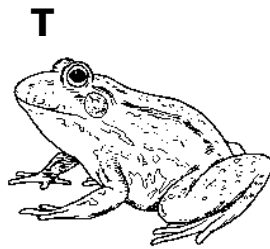
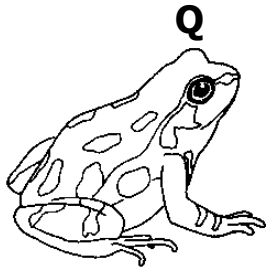
ii) _____

b) Apart from causing diseases, mention two other dangers of harmful fungi to people.

i) _____

ii) _____

44. The diagram below shows two different vertebrates. Use it to answer the questions that follow.



a) Name the vertebrate marked Q.

b) To which group of vertebrates do the above animals belong?

c) Why are the animals above able to live both on land and in water.

d) Name any one other animal that can be grouped together with the ones shown above.

45. a) State any two causes of silting.

i) _____

ii) _____

b) Give any two dangers of silting.

i) _____

ii) _____

46. The table below shows parts of the digestive system and their importance in digestion. Complete it correctly.

Step	Importance
_____	Rolls food into bolus
Colon	_____
_____	Turns bolus into chyme
_____	Mastication

47. a) What is meant by the term anti social behaviour?

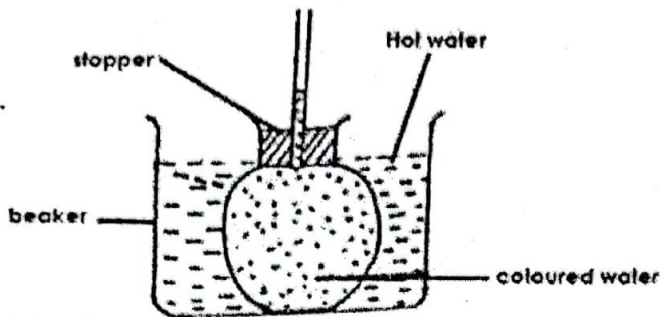
b) Why are anti social behaviour regarded as social problems in the community?

c) State any two causes of anti social behaviour in the society.

i) _____

ii) _____

48. The diagram below shows an experiment about effects of heat on liquids. Use the diagram to answer the questions that follow.



a) Which effect of heat on liquids is shown above?

b) Why does the level of coloured water decrease for a short time immediately after putting the flask in hot water?

c) Why does the level of coloured water rise up when the flask is left in hot water for sometime?

d) Apart from the effect of heat shown above, mention one other effect of heat on liquids.

49. The diagram below shows a feeding relation in the environment.

Bacteria ← kite ← hen ← cabbage

a) What name is given to the feeding relationship shown above?

b) Name the producer in the above feeding relationship.

c) What do the arrows represent in the above feeding relationship?

d) State the role of bacteria in the above feeding relationship.

50. a) Why is the queen excluder of a modern bee hive made of tiny holes?

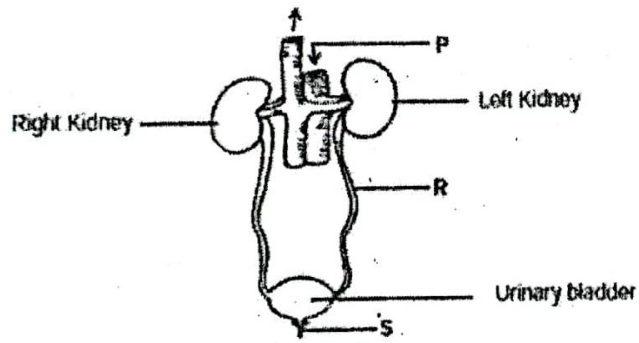
b) State any one tool used in stocking a bee hive.

c) Apart from building honey combs, state two other duties of worker bees in a hive.

i) _____

ii) _____

51. The diagram below shows the urinary system. Study the diagram and use it to answer the questions that follow.



a) Name the parts marked by letters S and R.

i) S _____

ii) R _____

b) Apart from urinary system, name the other system to which the human kidney belongs.

c) How is the urinary bladder different from the gall bladder in terms of function?

52. Arrange the steps of the process of germination given below in a correct order of occurrence.

a) The plumule grows and pushes itself out of the soil.

b) The seed swells and the testa softens.

c) The radicle pushes the testa and comes out.

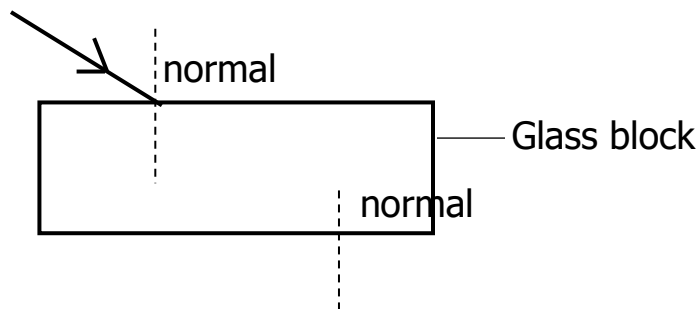
d) The seed absorbs water from soil.

53. a) Apart from refraction, mention two other properties of light.

i) _____

ii) _____

b) Complete the diagram below by showing the refracted ray and the emergency ray.



54. a) Which element of PHC is promoted by having a pit latrine at home?

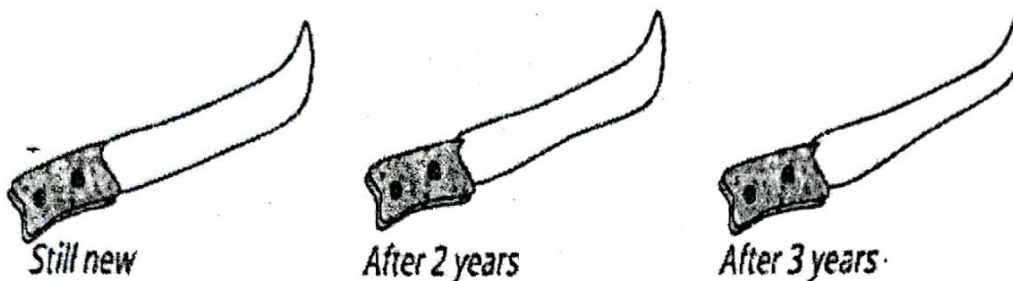
b) State the recommend distance (in metres) of a pit latrine from;

i) a kitchen _____

ii) a bore hole _____

c) How are dry banana leaves useful in promoting the hygiene of ordinary pit latrines?

55. Namubiru bought a new panga and it became smaller with time as shown in the diagram below.



a) Name the force that made the panga to become smaller with time.

b) Give any two situations where the force that made the panga become smaller is useful.

i) _____

ii) _____

c) Name any one material that can be used to overcome the force shown in the diagram.

END