

NAMILYANGO GIRLS NURSERY AND PRIMARY SCHOOL PRIMARY SEVEN PRE-MOCK II EXAMINATION

2022

INTEGRATED SCIENCE
Time Allowed: 2 hours 15 minutes

Admission No.						Personal No.		

Candidate 's Name:

Candidate 's Signature :

School Name:

District Name :

Read the following instructions carefully:

1. Do not forget to write your school or district name on this paper.
2. This paper has two sections: A and B. Section A has 40 questions and Section B has 15 questions. The paper has 16 printed pages altogether.
3. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
4. All working must be done using a blue or black ball point pen or ink. Any work done in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read 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: 40MARKS

Questions **1** to **40** carry **one** mark each

1. Name the domestic animal whose house is made of wire mesh?

.....

2. What general name is given to the plumule and radicle of a germinating bean?

.....

3. What type of skeleton does a millipede have?

.....

4. Name the mineral salt that helps in the formation of blood in the human body.

.....

5. How do hairy bodies of a housefly able to carry germs that spreads diseases?

.....

6. What form of energy is a moving vehicle on the road?

.....

7. Give a reason why nutritious feeds should be given to cattle.

.....

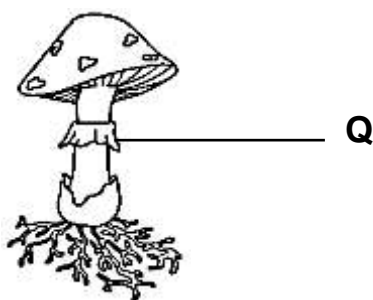
8. How is reproduction in mammals different from that in Amphibians?

.....

9. Which term refers to the inability of seed to germinate under normal conditions?

.....

The diagram below is a mushroom, use it to answer question 10.



10. State the use of part marked **Q**

.....

11. Why is it good to immunize children with anti-rabies vaccine?

.....

12. Give **one** reason why electricians should wear helmets?

.....

13. Why should young boys avoid drug abuse?

.....

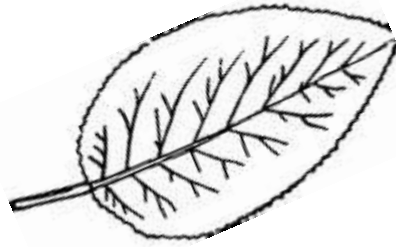
14. Give **one** way crop rotation helps a farmer to control crop diseases.

.....

15. How does wringing method ease drying of washed clothes?

.....

16. Write the type of Venation shown by the diagram below.



17. Mention any **one** example of wingless insects

18. State **one** way of preventing appendicitis digestive disease.

19. What name is given to the substance that makes up an exo-skeleton of an insect?

20. Give any **one** importance of ossicles during the process of hearing.



The diagram below shows an insect, use it to answer questions **21** and **22**



21. State the function of part marked **G**

.....

22. Why would the insect above die when the whole of its abdomen is clipped in oil?

.....

23. Name **one** appliance used at home that changes electric energy to heat energy.

.....

24. Give **one** activity the community can do to reduce accidental fires.

.....

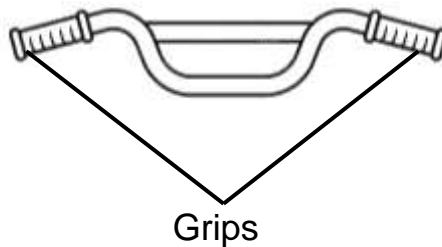
25. How do birds use claws for protection?

.....

26. Name **one** activity carried by farmers to remove excess seedlings from the garden.

.....

The diagram below shows bicycle handles with grips that are used to increase friction. Study and use it to answer question **27**.



27. State the function of grips in increasing friction.

.....

28. Give **one** way in which salt is important in food preservation.

.....

29. Name **one** internal parasite which results from feeding cattle on dirty pasture.

.....

30. To which group of invertebrates are snails?

.....



31. How does intercropping control soil erosion?

.....

32. What happens when a translucent object is placed in a path of light?

.....

33. State any **one** example of radiation in nature.

.....

34. Give **one** factor to be considered when storing cereals.

.....

35. What feature enables birds to overcome resistance in air during flight?

.....

36. State **one** physical change in girls during puberty.

.....

37. Why is breast feeding very important in family planning?

.....

38. Which component of air is needed for photosynthesis to take place?

.....

39. Name the organisms found in the root nodules of a plant.

.....

40. Give **one** reason why children who get badly scalds are immediately taken to hospitals.

.....



SECTION B: 60 MARKS

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

41. (a) Name the mineral salt that prevents tooth decay in human beings.

.....

(b) Write any **one** cause of tooth decay in human beings.

.....

(c) State any **two** practices carried out by people to prevent tooth decay.

(i)

(ii)

42. (a) How is sound written on a piece of paper reproduced?

.....

(b) Name **one** way of storing sound.

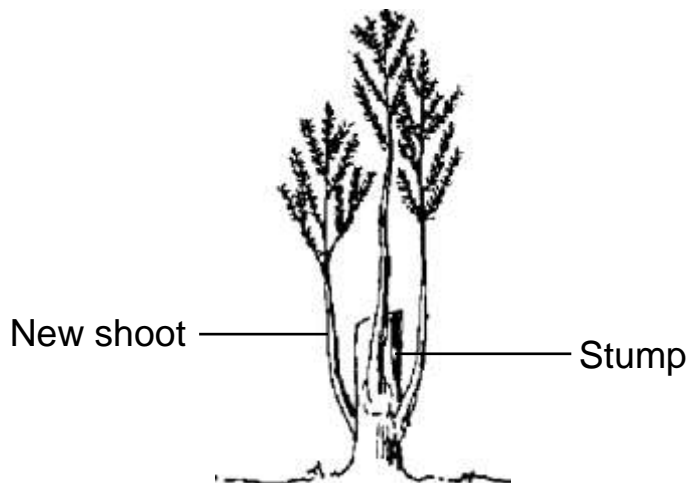
.....

(c) Mention **two** sound reproduction devices.

(i)

(ii)

43. The diagram below shows a method of harvesting trees in agroforestry. Use it to answer questions that follow.



- (a) Name the method of harvesting trees in agroforestry shown in the diagram above.

.....

- (b) State **one** importance of harvesting trees in agroforestry using the above method.

.....

- (c) Give any **two** ways in which crops benefit from trees when they are grown together

(i)

(ii)



44. (a) Give any **two** reasons why farmers weed their crops

(i)

(ii)

(b) State any **two** advantages of weeds to farmers.

(i)

(ii)

45. (a) Name the poisonous and cancerous substance found in tobacco smoke.

.....

(b) Name **two** respiratory diseases which results from smoking of tobacco.

(i)

(ii)

46. (a) State the difference between density and mass

.....

.....

(b) Name the instrument used to measure the density of liquids.

.....

(c) The density of a stone is 6grams per cubic centimeter. Its mass is 48grams. Find its volume. (02 marks)



47. (a) Apart from broken bottles, give any **two** other dangerous objects in the school compound.

(i)

(ii)

(b) State any **one** way of controlling dangers caused by broken bottles.

.....

(c) Give any **one** disease germ that can enter the body through cuts on the skin.

.....

48. (a) Apart from fast flowing water, mention **two** other agents of soil erosion.

(i)

(ii)

(b) State any **two** ways soil erosion affects food production.

(i)

(ii)

49. (a) Write **two** activities that help to control the spread of diarrheal diseases in a home.

(i)

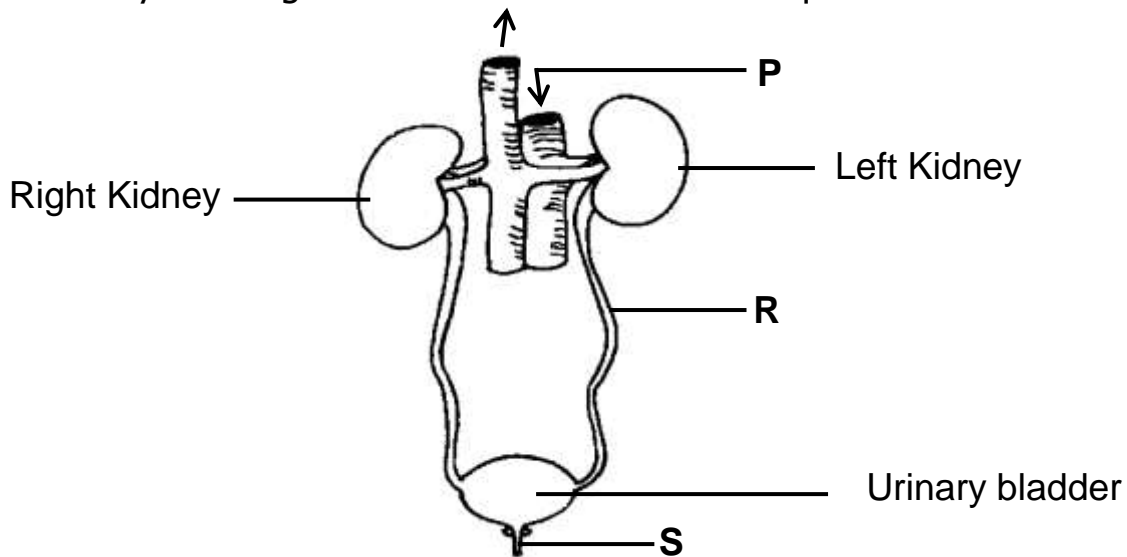
(ii)

(b) How does proper management of wastes make a home healthy?
.....

(c) State **one** way in which convectional pit latrine contributes to the promotion of sanitation.
.....



50. The diagram below shows the urinary system of a human being. Study the diagram and use it to answer the questions that follow:



- (a) State the function of the urinary system marked

(i) **S**

(ii) **R**

- (b) In which way does kidney regulate the amount of water and salts in blood?

.....

- (c) Give any **one** sign and symptom of diseases of the urinary system.

.....

51. (a) Write down **two** factors that lead to alcoholism.

(i)

(ii).....

(b) State any **two** health problems caused by alcohol to the family.

(i)

(ii).....

52. (a) State the function of each of the following structures in the human skeleton

(i) Ligament

.....

(ii) Tendon

.....

(b) Give **one** example of a long bone in a human skeleton.

.....

(c) Name **one** disease that affects a human skeleton.

.....

53. The table below shows the components of electric circuit with their function. Match the component in list **A** with the function in list **B**.

	List A	List B
(a)	Fuse	breaks the circuit at user's wish
(b)	Ammeter	measures the voltage in the circuit
(c)	Voltmeter	breaks the circuit due to much current
(d)	Switch	measures amount of electricity used

- (a) Fuse
- (b) Ammeter
- (c) Voltmeter
- (d) Switch

54. (a) Name the type of lens that commonly used to correct myopia eye defect.

.....

- (b) Why is a myopic person advised to wear glasses with diverging lens?

.....

- (c) Apart from washing eyes with water and soap, give **two** any other ways caring for the human eye?

(i)

(ii)

55. (a) Name the bacteria that caused candidiasis.

.....

(b) Give **one** sign of candidiasis infection in females.

.....

(c) State **two** ways of preventing candidiasis infection in females.

(i)

(ii)



END