



UNIQUE EDUCATION SERVICES
Primary Seven Examinations, 2022
INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No. :

School EMIS						Personal No.		

Candidate's Name :

 Candidate's Signature :

School Name :

District Name :

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer **ALL** questions. **All** answers to both Sections A and B must be written in the spaces provided.
5. **All** answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;
For Examiner's use only.

FOR EXAMINER'S USE ONLY

Qn. No	MARK	SIGN
1 – 20		
21 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION A: 40 MARKS

1. Name the human body organ which pumps blood.

2. Which farm practice makes mating in sheep easy?

3. Name any **one** garden tool that can be used for pruning

4. Give any **one** way in which heat travels through matter.

5. State **one** way of saving fuel at home.

6. How are the gills of a fish different in function from those of a mushroom?

7. Give **one** advantage of planting trees around buildings.

The diagram below shows a worker bee. Use it to answer questions 8 and 9.



8. Name part marked G.

9. How is part marked L important to the bee?

10. Give **one** importance of echoes to sailors.

11. How is decomposition important in the environment?

12. Write the type of manure obtained from animal wastes.

13. Name the virus that attacks the white blood cells and cause immunity problems.

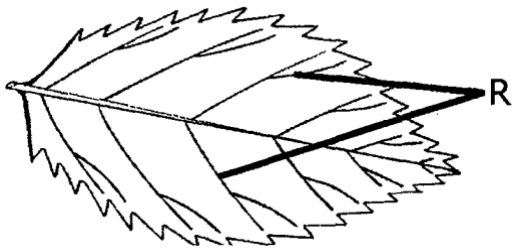
14. How can a P.6 boy keep his digestive system healthy?

The diagram below is of a vector. Use it to answer question 15.



15. Name the disease spread by the above vector.

16. How are the parts labeled R important to the leaf?



17. Write **one** effect of severe diarrhoea to the human body.

18. Name the foodstuff that you can get from a living cow.

19. What type of immunity does a child get through immunization?

20. Give any **one** effect of smoking to an individual.

21. Give **one** way of keeping the brain in good working condition.

22. In which way can heavy rainfall be dangerous to our animals?

23. Name the disease vector that breeds from decaying matter.

24. Why do some plants shed their leaves during the dry season?

25. Which stage of a butterfly is dangerous to crop farmers?

26. State **one** condition which makes women vulnerable.

27. How is blubber important to sea mammals?

28. In which state of matter is carbon dioxide in the atmosphere?

29. Why do farmers transplant their seedlings in the evening?

30.State **one** use of canine teeth during digestion.

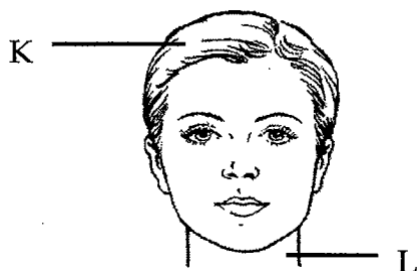
31.Mention **one** way of preventing rickets in children.

32.Where in the alimentary canal are proteins first digested?

33. Which element of weather is used to preserve grain by farmers?

34.How are scavenger birds useful in the environment?

The diagram below shows a head of a person. Use it to answer questions 35 and 36.



35.Name the part marked L.

36.State **one** way in which you can care for part marked K.

37.Give any **one** activity carried out by the community to reduce road accidents.

38.Draw a diagram of a red blood cell in the space provided.

39.Name the plant process that contributes to the water cycle.

40.State any **one** practice you would use to reduce the destruction of crops by pests.

SECTION B:60 MARKS

41.(a) Name **one** condition that is necessary for seed germination.

(b) Give any **two** examples of seeds that undergo hypogeal germination.

(i) _____

(ii) _____

(c) Name **one** part of an embryo of a seed.

42. (a) Name any **one** poultry disease.

(b) Give any **two** signs of sickness in poultry.

(i) _____

(ii) _____

(c) How can poultry farmers control poultry diseases without using drugs?

43. (a) Name any **two** objects that can be made using clay soil.

(i) _____

(ii) _____

(b) Write the characteristic of clay soil that makes it easy to be used when making the above items.

(c) Give **one** difference between the particles of clay soil and those of sand soil.

44. The diagram below shows a common vertebrate at home.



(a) Name the part labeled D.

(b) Give the **two** different types of rabbits.

(i) _____

(ii) _____

(c) State any **one** common disease of rabbits.

45. (a) Name the part of the ear responsible for the following functions;

i) collecting sound waves.

ii) balancing the body

(b) Name **one** disorder of the human ear.

(c) Which part of a fish has the same function as the human ear?

46. (a) Name **one** accident which affects bones in the human body.

(b) Write **one** way of managing accidents at school.

(c) Identify **one** danger of accidents to an individual.

(d) Which first aid can you give to a person with a broken arm?

47. Match the following parts of the alimentary canal with the processes that take place in them.

PART

PROCESS

Mouth

production of bile juice

Stomach

storage of bile juice

Liver

production of saliva

Gall bladder

production of gastric juice

Mouth

Stomach

Liver

Gall bladder

48. (a) Name **two** common diarrhoeal diseases in our community.

(i) _____

(ii) _____

(b) What is the first step when preparing Oral Rehydration Solution?

(c) Give **one** example of a round worm.

49. (a) Besides crop growing, name **one** other project that can be started at home.

(b) Give any **two** problems that crop farmers face in our community.

(i) _____

(ii) _____

(c) State any **one** importance of a school garden.

50. (a) Give any **two** places where bacteria are found.

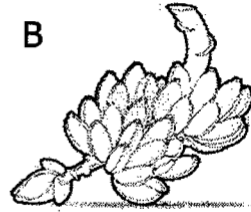
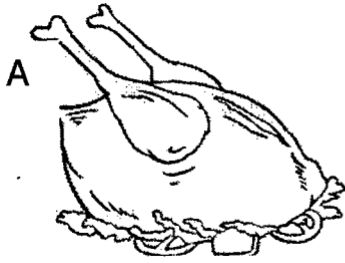
(i) _____

(ii) _____

(b) State any **one** use of fungi to people.

(c) Give any **one** danger of bacteria and fungi to people.

51. Identify the main food values obtained from these foodstuffs.



(i) A _____

(ii) B _____

(b) Give **one** way of preparing foodstuff **B** before eating it.

(c) How can one preserve foodstuff A at home?

52. (a) State the importance of flowers to a plant.

(b) Name **one** type of pollination.

(c) Write down any **one** characteristic of insect pollinated flowers.

(d) Where does fertilization take place in a flower?

53. (a) What is temperature?

(b) Name the instrument used to measure human body temperature.

(c) Give any **one** scale used to measure temperature.

(d) Using the scale you have given in (c) above, give the normal human body temperature.

54. (a) Write PHC in full

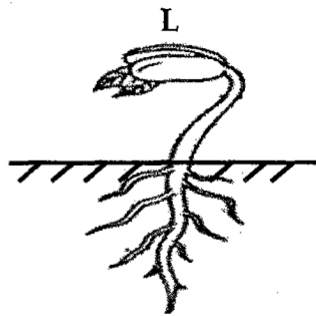
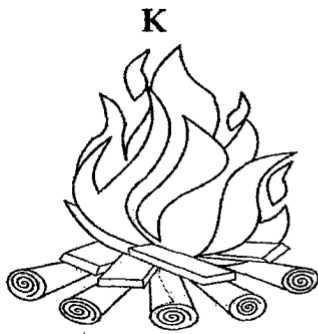
(b) State one principle of PHC.

(c) Give any **one** activity that can promote each of the elements of PHC given below;

(i) Water and sanitation

(ii) Maternal and child Health care.

55. The diagrams below show two types of changes in the environment



(a) Name the type of changes shown above.

K _____

L _____

(b) Give **one** characteristic of the type of change marked K above.

(c) How are the two changes above similar?

END