



KARLMARX EDUCATION SERVICES

BEGINNING OF TERM TWO EXAMINATION 2023

PRIMARY FIVE

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Name:

Stream:

Read and follow these instructions carefully:

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

FOR EXAMINERS USE ONLY

QN. NUMBER	MARKS	EXAMINER'S INITIAL
1-10		
11-20		
21-30		
31-40		
41-43		
44-45		
46- 48		
49-50		
51- 53		
54- 55		
TOTAL		

Turn over

A product of Karlmarx Education Services 0702-976 553 / 0761-580 101 / 0754-481 558
*Quality is our integrity **Karlmarx Education Services** products*

SECTION A

1. Name one component of air in the atmosphere.

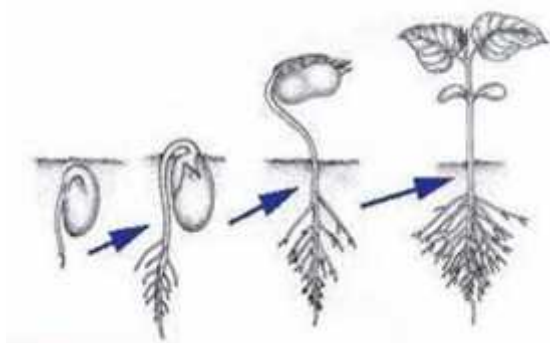
2. Mention one immunizable disease whose vaccine is administered through an injection?

3. Why do we boil drinking water?

4. Write one example of domestic bird

5. Identify one reason why a chameleon changes its colour according to the environment.

The diagram below shows a type of germination.



6. Name the type of germination shown above

7. Write one function of leaves to plant?

8. Why is loam soil the best type for crop growing?

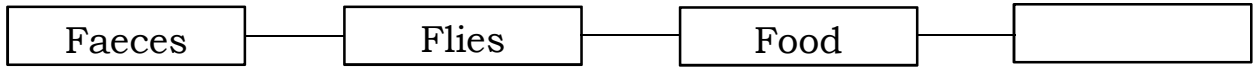
9. How are grits in birds similar to the teeth in man.

10. Which enzyme acts on cooked starch in the mouth?

11. Which element is promoted when one cleans his body?

12. Give one way of controlling the spread of malaria in homes?

13. Fill in the missing gap.



14. Which food value is obtained from eating cassava?

15. What is the main source of heat in the environment.

16. Give one reason why earth worms come out of the soil soon after it has rained.

17. State one use of leaves to people.

18. Write one example of a perennial crop

19. Why is it a good habit to bathe regularly?

20. Give one activity done to control many house flies in a school latrine

21. How can a P.5 pupil promote Sanitation at home?

22. Give one function of sepals on a flower.

23. Draw and name the garden tool used for transplanting seedlings.

24. Why do some farmers practice crop rotation?

25. Give one importance of root hair to a growing plant.

26. In which system of keeping poultry are birds left to move freely?

27. Suggest one use of water at school.

28. How long is an incubation period of a hen?

29. Name one immunisable disease caused by bacteria.

30. How does mulching control soil erosion?

31. What name is given to air in motion?

32. Why do bees visit flowers

33. Name the best season for harvesting crops

34. What form of energy enables us to see?

35. Where does digestion of food begin from in man.

36. Give a reason why a leaf floats on water.

37. State the use of a drone bee in a hive.

38. Give one example of poultry vice practiced by birds.

39. Why is breast milk the best food for a baby below 6 months.

40. How useful is the garden tool below to a farmer.



SECTION B

41. a) What is soil?

b) Mention any two types of soil.

i. _____

ii. _____

c) What is the suitable soil for making glasses?

42. a) Write O.R.S in full.

b) Give examples of a solute and a solvent during the preparation of O.R.S.

i. Solute _____

ii. Solvent _____

c) Why do you think it is important to wash hands before preparing O.R.S locally?

43. a) What is mulching?

a) Give two uses of mulching to a farmer?

i. _____

ii. _____

b) Name one material used for mulching?

44. a) What is photosynthesis?

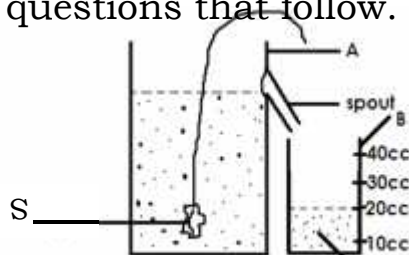
b) State two requirements needed for photosynthesis.

i. _____

ii. _____

c) Why do you think photosynthesis cannot take place at night?

45. An experiment below was carried out by a P.5 Child Use it to answer the questions that follow.



a) Name the method used above _____

b) What is the volume of the stone?

c) Name the container marked A? _____

d) Give one example of an irregular object _____

46. In one sentence, explain the term soil erosion.

b) Give two agents of soil erosion.

i. _____ ii. _____

c) Give one way how a farmer can control soil erosion in hilly areas.

47. a) Besides Chicken, Give two other types of poultry.

i. _____ ii. _____

b) How useful is a spur to a cock?

c) State any one reason why William decided to keep poultry.

48. a) Mention the two methods of administering vaccines during immunisation.

b) State any two pieces of information found on a child health card.

49. a) What is the difference between a doe and a buck?

b) Give one reason why farmers keep rabbits

c) Mention two examples of exotic breeds of rabbits.

50. a) Name two main products got from bees.

b) Mention any two factors you can consider before setting up an apiary.

51. Match the following immunizable diseases to their vaccines correctly.

Immunizable disease

Tetanus

Polio

Tuberculosis

Hepatitis B

Vaccine.

BCG Vaccine

Hep B Vaccine

DPT Vaccine

Sabin Vaccine

(a) Tetanus _____

(b) Polio _____

(c) Tuberculosis _____

(d) Hepatitis B _____

52. What is digestion?

b) Name the type of food digested in the mouth.

c) Write down two disorders of the digestive system.'

i. _____ ii. _____

53. a) In one sentence give the meaning of the following terms:

(i) Accident

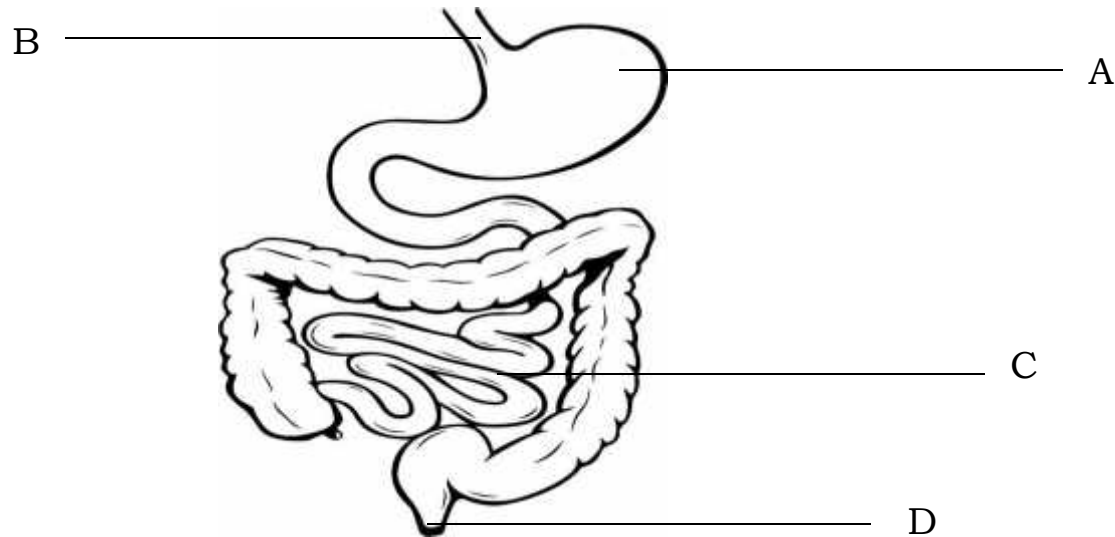
(ii) First aid

b) Point out any two reasons why a casualty should be given first aid.

(i) _____

(ii) _____

54. The diagram below shows the alimentary canal of man. Use it to answer questions that follow



a) Name the part marked with letter B and D

B _____

D _____

b) State the main process that takes place at C.

c) Name **one** enzyme produced by part A.

55. a) Give two ways by which food gets contaminated

i. _____

ii. _____

b) Suggest two ways of controlling food contamination

i. _____

ii. _____

END