



# ARUA CITY ACADEMIC BOARD (ACAB)

## PRIMARY LEAVING MOCK EXAMINATIONS 2022

### INTEGRATED SCIENCE

*Time Allowed: 2Hours 15 Minutes*

Index No.									
EMIS NUMBER					RANDOM NUMBER				

Candidate's Name.....

Candidate's Signature:.....

School Name:.....

District:.....

### Read the following instructions carefully

1. This paper has Two Sections A and B
2. Section A, has 40 short answer questions (40marks) and Section B has 15 questions (60marks)
3. All the working be shown in the space provided
4. Answers All the questions. All answers to both questions 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 fountain Pen**. Diagram should be drawn in **pencil**
6. Unnecessary changes of work lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks
8. Do not fill anything in the box indicated “**FOR EXAMINERS' USE ONLY**” and those inside the questions paper.

FOR EXAMINER'S USE ONLY		
Qn. No	Marks	EXRS' NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47- 49		
50 - 52		
53 - 55		
<b>TOTAL</b>		

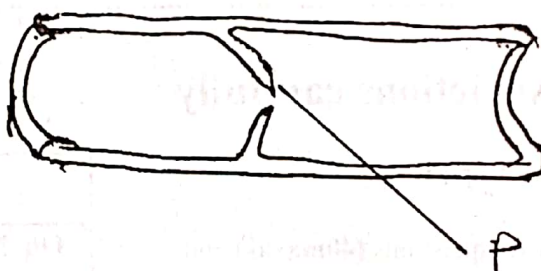
**Turn Over**



### SECTION A (40marks)

1. Name the part of a bean seed that grows into a shoot system.  
\_\_\_\_\_
2. Why does sound travel faster in solids than other states of matter?  
\_\_\_\_\_
3. State any **one** quality of a good rabbit hutch.  
\_\_\_\_\_
4. Why is fishing rod classified as a third class lever?  
\_\_\_\_\_
5. Give any **one** reason why breast milk is considered as a complete meal to babies?  
\_\_\_\_\_
6. State any **one** way of preventing food contamination at home.  
\_\_\_\_\_
7. Mention any **one** process of soil formation.  
\_\_\_\_\_

Below is the diagram of a blood vessel. Study it and use it to answer questions 8 and 9



8. Name the structure marked with letter P.  
\_\_\_\_\_
9. Which type of blood is transported by the blood vessel drawn above?  
\_\_\_\_\_
10. Why does a nurse shake the clinical thermometer before putting it into a patient?  
\_\_\_\_\_
11. How can a generator be made to produce more electricity?  
\_\_\_\_\_
12. Why are broken bottles dangerous on a school compound?  
\_\_\_\_\_
13. Give the importance of a sickle to a farmer weight?  
\_\_\_\_\_
14. How is the mass of a body different from its weight?  
\_\_\_\_\_



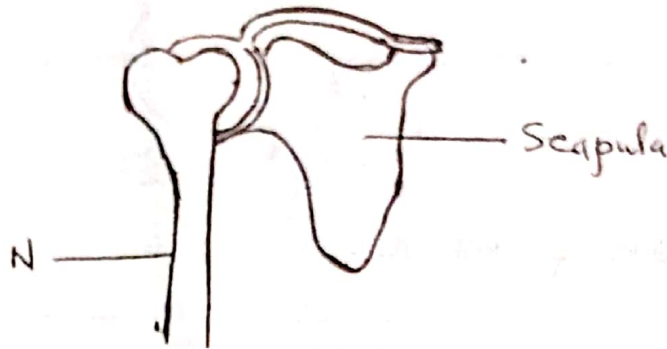


15. Why does a tortoise withdraw itself into the shell when touched?

16. Give any one way in which bacteria are useful in our environment.

The diagram below shows part of the human skeleton.

Study it and use it to answer questions 17 and 18.



17. Name the bone marked with letter N.

18. Which type of movable joint is shown in the diagram above?

19. Give any **one** advantage of machine milking.

20. Name any **one** pest of root tubers.

21. What is the importance of condensation in rain cycle?

22. Why is the hole in a VIP latrine always left open?

23. How does a bee keeper protect himself while harvesting honey?

24. Where does fertilisation take place in human beings?

25. Give the meaning of docking in sheep rearing.

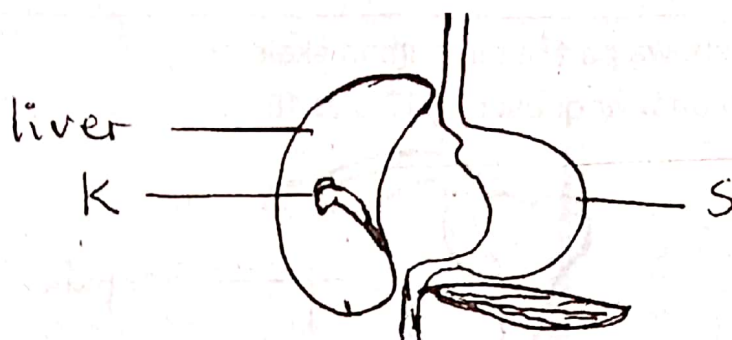
26. Apart from eating food, how else does a person get vitamin D?

27. Which element of primary health care helps in protecting water sources.

28. What name is given to natural shadow?



The diagram below shows a section of human digestive system. Study it and use it to answer questions 29 and 30.



29. Name the part marked with letter K.

30. Why does digestion of proteins start at part marked S?

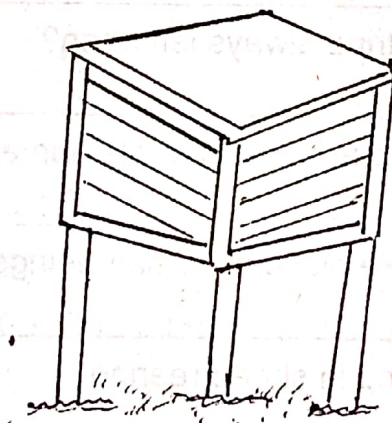
31. Give any **one** way in which wind is used as a resource.

32. State any **one** information collected during health survey.

33. Why is brushing of teeth after every meal important?

The diagram below shows an instrument found in a weather station.

Use it to answer questions 34 and 35.



34. Name the instrument.

35. Which delicate instrument is kept in the instrument drawn above?

36. Name any **one** type of change in the environment which is irreversible.



37. What name is given to the practice of growing crops and trees in the same garden?

38. Why is black jack dispersed by animals?

39. Give any **one** use of alcohol in hospitals

40. Why is trachea made of cartilage rings?

### SECTION B

41. (a) What are energy resources?

(b) Apart from sun, give other two examples of energy resources

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) How is sun said to be an energy resource?

42.(a) State any **two** characteristics of arthropods

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Which group of arthropods have eight legs?

(c) Name the process which allows growth in arthropods

43. The table below shows vectors and diseases they spread to humans.

Fill in the missing parts

Vectors	Diseases
Tse tse fly	(i) _____
(ii) _____	Relapsing fever
Female anopheles mosquito	(iii) _____
Black fly	(iv) _____

44.(a) Define the following crop practices

(i) Transplanting

(ii) Thinning

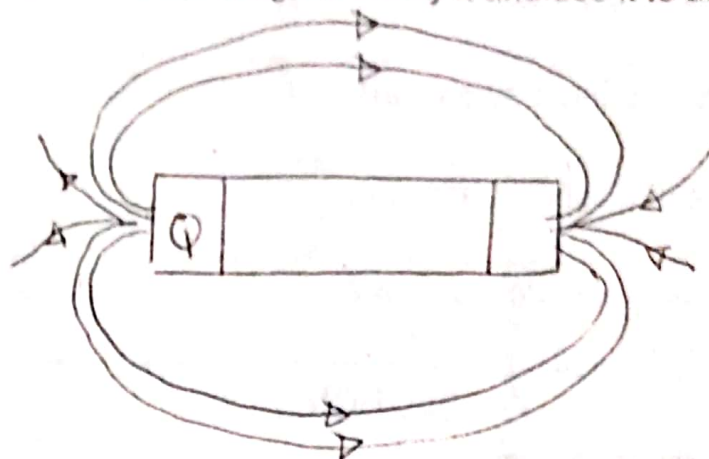
(b) Give **two** reasons why mulching is done in crop farming

(i) \_\_\_\_\_

(ii) \_\_\_\_\_



The diagram below shows a bar magnet. Study it and use it to answer question 45.



45. (a) Name the pole marked with letter Q

(b) Which property is shown by the magnet?

(c) Give any **two** temporary methods of making magnets.

(i)

(ii)

46. (a) Give the difference between sanitation and personal hygiene.

(b) State any **two** water impurities

(i)

(ii)

(c) Give one way of making water safe for drinking.

47.(a) What is immunity?

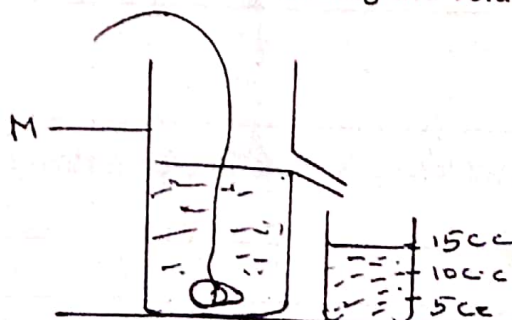
(b) Give any **two** viral childhood immunisable disease

(i)

(ii)

(c) Which vaccine is used to prevent tuberculosis?

48. The diagram below shows a method of finding the volume of irregular objects.





(a) What is the volume of the irregular object?

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(b) Name the container marked with letter M.

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(c) If the mass of the irregular object is 60gm, find the density of the object.

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49. (a) What is meant by the term puberty?

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(b) Give any **two** secondary changes that occur both to boys and girls during adolescence

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Which problem is likely faced by a girl who involves herself in early sexual intercourse?

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50. (a) Give any **two** examples of external poultry parasites

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) How can the above parasites be prevented in poultry management?

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

51. (a) Name any **one** non-communicable disease of the human respiratory system.

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(b) State the use of cilia found in the nose

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(c) Mention any **two** ways of maintaining proper functioning of the respiratory system.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

52. (a) Name the type of fracture that happens to a breast feeding baby

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(b) Give the functions of each of the following first aid equipments.

(i) Arm sling

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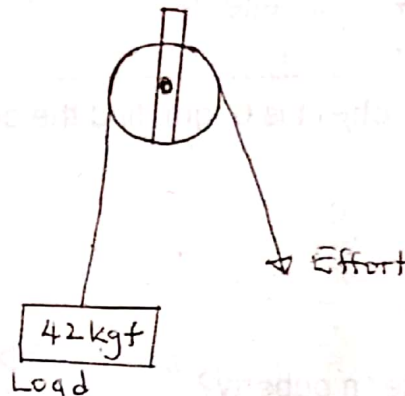
(ii) Stretcher

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(c) Mention any one quality of a good first aider.

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



53. (a) Name the type of pulley drawn above.

(b) Give any **one** advantage of using the above type of pulley.

(c) If the load lifted by the pulley is 42kgf, find the effort needed to lift the load.

54. (a) In which way is sound similar to light as forms of energy?

(b) How is sound produced in a drum?

(c) Give any **two** examples of wind instruments.

(i)

(ii)

55. (a) State any **one** reason why image formed in a pin hole camera is inverted.

(b) Name any **one** optical instrument that uses plane mirrors.

(c) Write down any **two** defects of the human eye.

(i)

(ii)

END

