



STANDARD JUNIOR SCHOOL– ZZANA
PRIMARY LEAVING (INTERNAL) MOCK EXAMINATION
INTEGRATED SCIENCE
2023

PRIMARY SEVEN
Time Allowed: 2hours: 15minutes.

Index no.

Random No.						Personal No.		

Candidate's Name: _____

Candidate's Signature: _____

School: _____

Instructions:

1. This paper is made up of two sections **A** and **B**.
2. Section **A** has **40** questions (**40 marks**)
3. Section **B** has **15** questions (**60 marks**)
4. Attempt all questions in both sections.
5. Use a **blue** or **black** ballpoint pen only.
6. Only diagrams should be drawn in pencil.
7. Any handwriting which cannot be easily read will lead to loss of marks.
8. All answers should be written in the spaces provided.
9. Unnecessary crossing of work will lead to loss of marks.

FOR EXAMINERS' USE ONLY

Qn.	MARKS	EXR'S INITIAL
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A: 40 MARKS

Questions **1-40** carry **one** mark each.

1. Give **one** example of a foreign body in the eye.

.....

2. Name any **one** material used during the production of biogas.

.....

3. Where does an Irish potato plant store its food?

.....

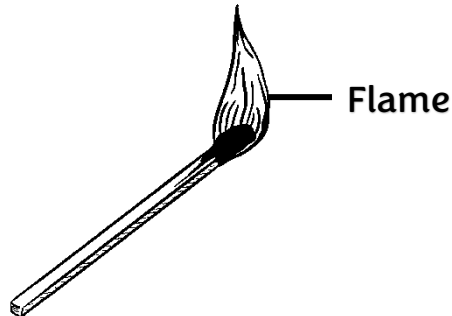
4. Which stage of a housefly is very dangerous to man?

.....

5. Why should people installing electricity wear rubber gloves?

.....

The diagram below shows a burning matchstick. Use it to answer questions 6 and 7.



6. Name **one** form of energy produced when a matchstick is burning.

.....

7. By what process does smoke move from the burning matchstick to air?

.....

8. Give any **one** condition which favour the multiplication of bacteria.

.....

9. Why is it **not** advisable to clean our ears using sharp objects?

.....

10. Which part of a maize grain plays a similar role like the placenta in human beings?

.....

11. Why does the speed of light reduce as it moves from air to glass?

.....

12. Why are tyres of motorcycles and cars made of treads?

.....

13. Name any **one** material from which farmyard manure is obtained.

.....

14. How are nimbus clouds useful to a crop farmer?

.....

15. Give **one** example of a crop which is harvested year after year.

.....

16. State **one** way of keeping the digestive system in good working condition.

.....

17. Use the list given below to construct a food chain.

Lion	Grass	Goat
------	-------	------

.....

18. Why does petrol float on water?

.....

19. How can we remove dirty stains from clothes?

.....

20. Apart from terracing, give other **one** way of controlling soil erosion in hilly areas.

.....

21. To which body system do the lungs, skin and kidneys belong?

.....

22. State the importance of valves found in the human heart.

.....

23. Why is Panadol regarded as an essential drug?

.....

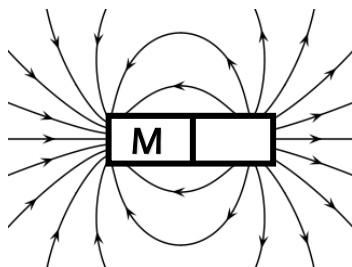
24. Why is it important to collect all sharp objects from the school compound?

.....

25. How is water useful during the process of seed germination?

.....

26. Name pole marked **M** on the magnet below.



.....

27. Give **one** reason why a tick is not classified as an insect.

.....

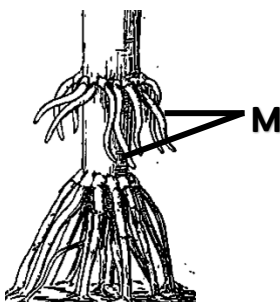
28. State any **one** agent of seed dispersal.

.....

29. Why does a stone sink when placed in water?

.....

The diagram below shows roots **M** of a maize plant. Use it to answer questions 30 and 31.



30. Name the type of secondary roots marked **M** above.

.....

31. How are the above roots important to a maize plant.

.....

32. Why should we wash our hands before preparing oral rehydration solution?

.....

33. How does mulching help to control soil erosion in the garden?

.....

34. State the importance of a razorblade in promoting personal hygiene.

.....

35. Why are biceps and triceps regarded as antagonistic muscles?

.....

36. State **one** characteristic of local breed of chicken.

.....

37. Apart from dipping, give other **one** way of controlling ticks on a cattle farm.

.....

38. State **one** condition that can result from shortage of oxygen to the brain.

.....

39. Why is a wheelbarrow regarded as a second-class lever?

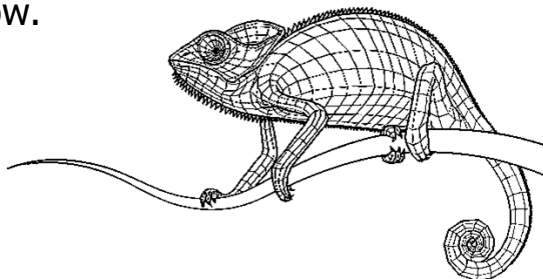
.....

40. How does fish ponding help to control the spread of malaria in the community?

.....

SECTION B: 60 MARKS
Questions 41-55 carry four marks each.

41. The diagram below shows an animal in the environment. Use it to answer the questions that follow.



(a) To which class of vertebrates does the animal above belong?

.....

(b) How does the animal above protect itself from its enemies?

.....

(c) How does the animal above obtain its food?

.....

(d) In which way is the animal above useful to the environment?

.....

42. (a) What general name is given to the muscles of the human heart?

.....

(b) Name the **two** chambers of the human heart which pump oxygenated blood.

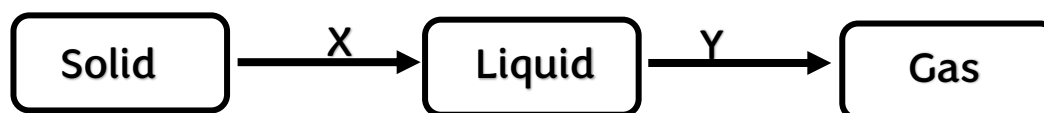
(i)

(ii)

(c) State **one** way of keeping the human heart in good working conditions.

.....

43. Study the physical processes **X** and **Y** below and answer the questions that follow.



(a) State the physical processes taking place at **X** and **Y**.

(i) **X**:

(ii) **Y**:

(b) State any **two** importance of physical change to the environment.

(i)

(ii)

44. (a) Give any **two** ways of caring for seedlings in a nursery bed.

(i)

(ii)

(b) State any **two** activities done during hardening off in the nursery bed.

(i)

(ii)

45. (a) Name any **two** waste products excreted by the skin.
- (i)
- (ii)
- (b) How does the human skin control body temperature on hot days?
-
- (c) Which pigment in the human skin protects us from radiant heat from the sun?
-

46. Study and fill the table below correctly.

Weather instrument	Function
(i)	Measures air pressure
Anemometer	(ii)
Rain gauge	(iii)
(iv)	Measures the amount of water vapour in atmosphere.

47. (a) State the role of each of the following parts on a Ventilated Improved Pit latrine.
- (i) Screen:
- (ii) Vent pipe:
- (b) Give **two** ways we can prevent bad smell in a pit latrine.
- (i)
- (ii)

48. (a) Write down any **two** states of matter.

(i)

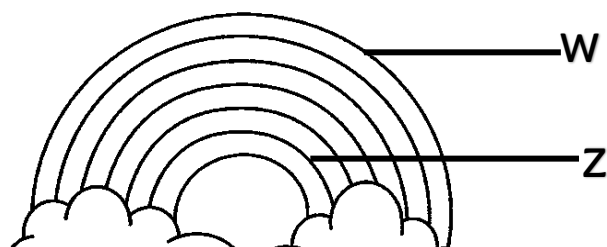
(ii)

(b) In which state of matter is water,

(i) At room temperature?

(ii) At 0°C :

49. The diagram below shows the natural light spectrum. Study it and answer the questions that follow.



(a) Name the natural spectrum in nature.

.....

(b) When is the natural spectrum above formed?

.....

(c) State the colours marked **W** and **Z** of the natural spectrum above.

(i) **W**:

(ii) **Z**:

50. (a) How is each of the tooth below adapted to its function?

(i) Canine tooth:

.....

(ii) Premolar tooth:

.....

(b) State any **two** ways of caring for our teeth.

(i)

(ii)

51. The table below shows two groups of organisms. Study them and answer the questions that follow.

P
Mushrooms
Puffballs

Q
Ferns
Mosses

(a) How are organisms in **P** and **Q** similar?

.....

(b) Give any **two** differences between organisms in group **P** and those in **Q**.

(i)

.....

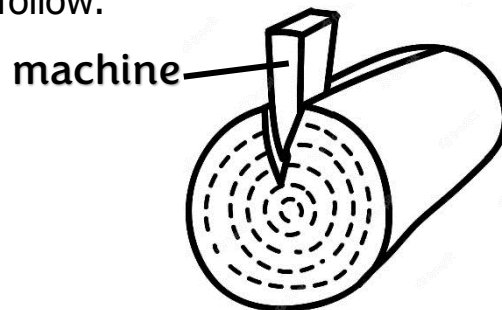
(ii)

.....

(c) To which group of living things do organisms in group **P** belong?

.....

52. The diagram below shows a simple machine. Study it and answer the questions that follow.



(a) To which group of simple machines does the machine above belong?

.....

(b) Give any **two** examples of simple machines which belong to the group of machines named in (a) above.

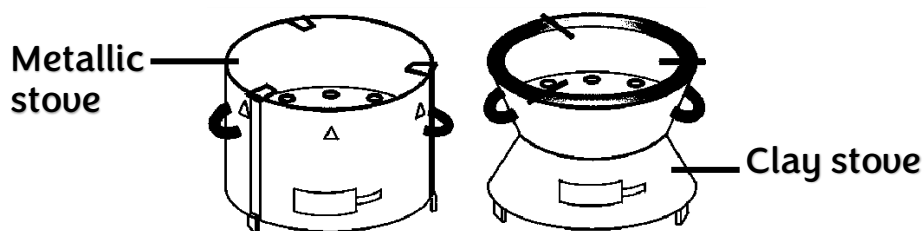
(i)

(ii)

(c) State other **one** use of the simple machine above apart from splitting wood.

.....

53. (a) Write down any **two** kinds of information found on an immunization card.
- (i)
- (ii)
- (b) State the importance of an immunization card to each of the following.
- (i) Doctor:
-
- (ii) School health committee:
-
54. The diagrams below show a clay made and a metallic charcoal stove. Use them to answer the questions that follow.



- (a) Which of the stoves above conserves the environment?
-
- (b) Give a reason to support your answer in (a) above.
-
- (c) Which of the charcoal stoves above boils food faster?
-
- (d) Give a reason to support your answer in (c) above.
-
55. (a) Give any **one** reason why sheep keepers carry out each of the following practices.
- (i) Shearing:
- (ii) Docking:
- (b) Write down any **two** products obtained from wool.
- (i)
- (ii)

End