

STANDARD JUNIOR SCHOOL-ZZANA
P.7 PRE-REGISTRATION EXAMINATIONS
2024



INTEGRATED SCIENCE, SET 1

Time allowed: 2hours: 15minutes.

RANDOM NO.						PERSONAL NO.		

Candidate's Name:

Candidate's Signature:

District ID

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Read the following instructions carefully.

1. This paper has two sections: **A** and **B**.
section **A** has **40** questions and section **B**
has **15** questions.
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. Any work written
in pencil will **not** be marked.
4. Unnecessary **changes** in your work and
handwriting that cannot be read easily may
lead to **loss** of marks.
5. Do not fill anything in the table indicated
"FOR EXAMINERS' USE ONLY" and the
boxes inside the question paper.

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** to **40** carry **one** mark each.

1. State any **one** condition necessary for rusting to take place.

.....

2. Name any **one** delicate body organ protected by the rib cage.

.....

3. Which disease affects the proper functioning of white blood cells?

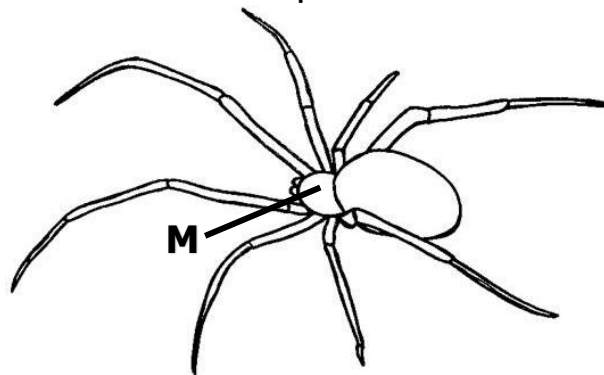
.....

4. State the energy change that takes place in a dynamo when it is in use.

.....

.....

The diagram below shows a spider. Use it to answer questions **5** and **6**.



5. Name part of a spider marked **M**.

.....

6. Give any **one** reason why a spider is **not** grouped under insects.

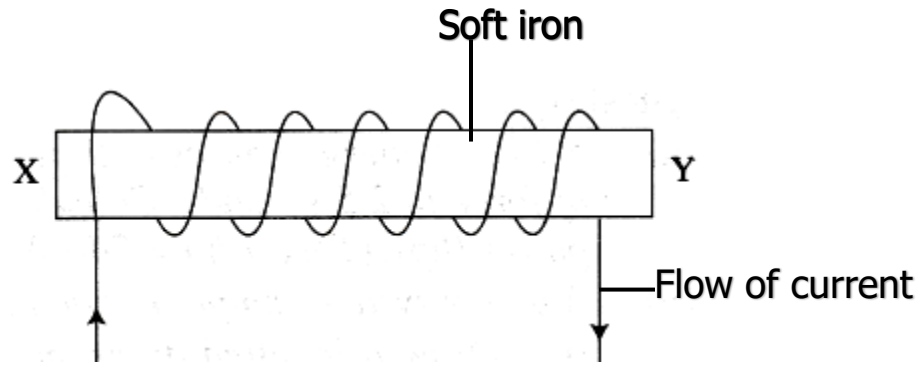
.....

7. In which state of matter does heat travel slowest?

.....

8. How is family planning an important element of Primary Health Care in your community?
-
-
9. State any **one** body change adolescents experience during their growth.
-
10. State any **one** sign of dehydration in babies.
-
11. How does a molar tooth differ from a canine tooth in terms of their structure?
-
-
12. Of what importance is using litter in a poultry house?
-
13. How can the strength of an electric motor be increased?
-
14. Write down any **one** example of an egg laying mammal.
-
15. Which characteristic of sand soil allows it to drain very fast?
-
16. State any **one** way of promoting sanitation in our classrooms.
-

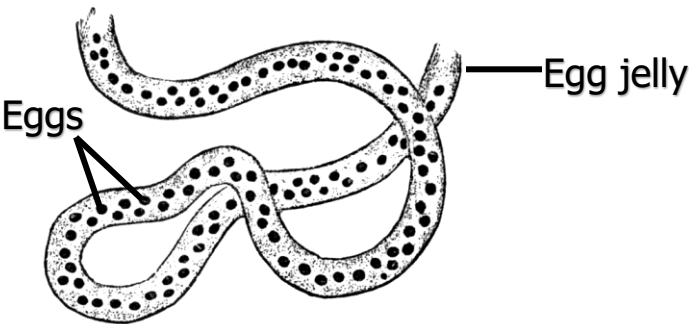
The diagram below shows a method of making magnets. Study it and use it to answer questions **17** and **18**.



17. Name the method of making magnets shown above.
-
18. If the circuit is complete, what will pole marked **Y** of the soft iron become after magnetization?
-
19. Name the deficiency disease that shows a sign of swollen and painful gum.
-
20. State any **one** danger caused by wind to the environment.
-
21. Write down any **one** condition that favours the multiplication of bacteria.
-
22. Why is it important to keep feeding records on a poultry farm?
-
-
23. Which type of injury is caused by steam?
-

24. How is bush fallowing an important practice to a crop farmer?
.....
25. How does the synovial fluid help to reduce friction in a joint?
.....
26. State any **one** factor that affects the pitch of sound.
.....
27. Give any **one** characteristic of a non-renewable resource.
.....
28. State any **one** danger of poor disposal of rubbish in a school.
.....

The diagram below shows eggs laid by a certain amphibian. Use it to answer questions **29** and **30**.



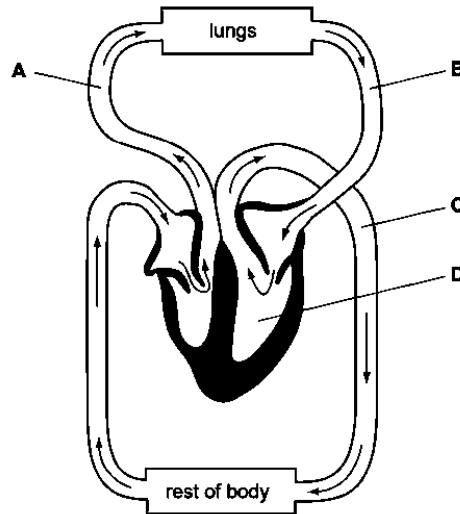
29. Name the amphibian that lays its eggs in the way shown above.
.....
30. Apart from protection, give **one** other reason why amphibians cover their eggs with jelly.
.....
.....
31. How is a razorblade important in promoting personal hygiene?
.....

32. How is mouth to mouth breathing important to a person with near drowning?
.....
33. Apart from the synovial fluid, give other **one** substance that reduces friction in a joint.
.....
34. Why is the filament of an electric bulb made of a long and coiled wire?
.....
.....
35. Name the type of muscles whose actions can be controlled by ones will.
.....
36. What should be done to water from the swamp before boiling it for drinking?
.....
37. State the importance of a screen on a VIP latrine.
.....
38. Give any **one** sign of disease attack in tuber crops.
.....
39. How has the rearing of goats in Uganda helped to promote textile industries?
.....
.....
40. State any **one** factor that should be considered before starting a bee-keeping project.
.....

SECTION B: 40 MARKS

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

41. The diagram below shows the circulatory system. Use it to answer the questions that follow.



- (a) Name body organ marked **D**.

.....

- (b) How is blood carried by blood vessel **A** different from that carried by blood vessel **C**?

.....

.....

- (c) Why does blood vessel **B** carry blood back to the heart?

.....

.....

- (d) State any **one** way of keeping the circulatory system in a good working condition

.....

42. (a) Name the part of air used for breathing.

.....

(b) How is the part of air named in (a) above useful during respiration?

.....

(c) What happens to each of the following during breathing in?

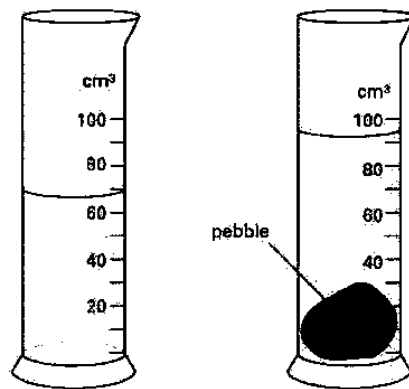
(i) Rib cage

.....

(ii) Diaphragm

.....

43. The diagram below shows a method of finding volume. Study it and use it to answer the questions that follow.



(a) State the method of finding volume shown above.

.....

(b) Why is the volume of the pebble above determined using the method shown above?

.....

- (c) What is the volume of the pebble above? (2 marks)

44. (a) What component of air,

(i) Increases in atmosphere during photosynthesis?

.....

(ii) Reduces in atmosphere during photosynthesis?

.....

(b) How do animals benefit from the process of photosynthesis?

.....

.....

(c) Give **one** reason why the process of photosynthesis **can't** take place at night.

.....

45. (a) Name any **two** parts of the human skeleton used for protection.

(i)

(ii)

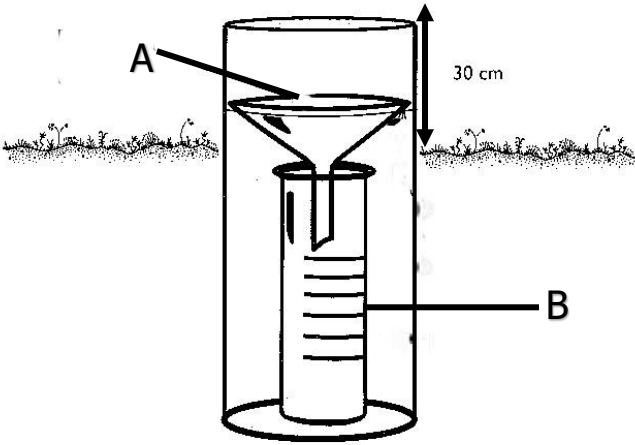
(b) State any **two** importance of the skeleton to the human body.

(i)

(ii)

46. (a) Name the disease characterized by each of the following signs.
- (i) Watery stool
- (ii) Bloody stool
- (b) State any **two** ways of preventing the diseases that show the above signs in humans.
- (i)
- (ii)

47. The diagram below shows a rain gauge. Use it to answer the questions that follow.



- (a) Name the components of a rain gauge marked **A** and **B**.
- (i) **A**
- (ii) **B**
- (b) Give a reason why the rain gauge,
- (i) Should be raised 30cm above the ground.
-
-

(ii) Should be placed in an open place.

.....

.....

48. (a) Give any **two** examples of soil pollutants.

(i)

(ii)

(b) State any **two** effects of soil pollutants on soil.

(i)

(ii)

49. (a) Write down any **two** steps taken when cleaning clothes in a home.

(i)

(ii)

(b) State any **two** methods that can be used to obtain clean water for cleaning clothes in a home.

(i)

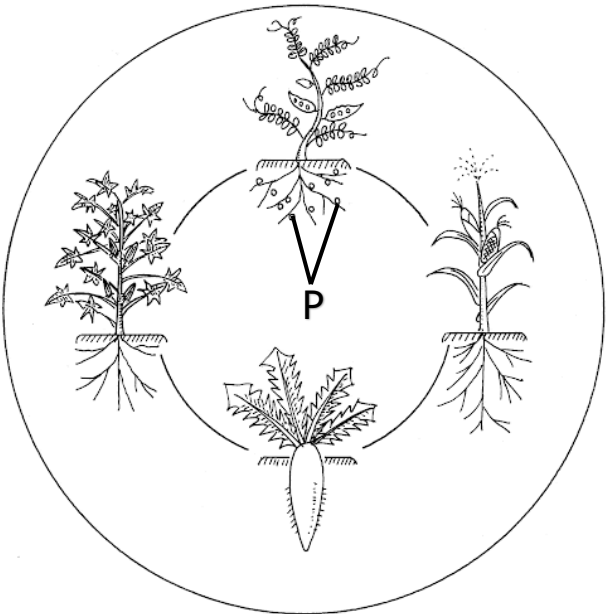
(ii)

50. Study and fill the table below correctly.

Body part	Type of movable joint
(i)	Gliding joint
(ii)	Ball and socket joint
Neck vertebrae	(iii)
Elbow	(iv)

51. (a) Give the importance of each of the following parts of a clinical thermometer.
- (i) Kink
-
-
- (ii) Bulb
-
-
- (b) State any **one** reason why mercury is commonly used in a clinical thermometer.
-
- (c) Why should a health worker shake the clinical thermometer before using it?
-
-
52. (a) Apart from hides and skins, give other **two** cattle products.
- (i)
- (ii)
- (b) State any **two** ways a cattle keeper can improve on the quality of hides and skins obtained from his/her cattle.
- (i)
- (ii)

53. The diagram below shows a crop rotation plot. Study it and use it to answer the questions that follow.



(a) Give any **one** reason why plants with structures marked **P** should be included in the crop rotation cycle.

.....

.....

(b) Apart from including plants with structures marked **P**, state **two** other factors that should be considered when designing a crop rotation plot.

(i)

.....

(ii)

.....

(c) State any **one** advantage of crop rotation to a farmer.

.....

54. Study the table below showing crop growing practices in **list A** and their meanings in **list B**. **List B** is in wrong order. Match correctly to form a correct order.

List A: Crop growing practices	List B: Their meanings in a wrong order.
Thinning	Removal of excess branches from a plant.
Weeding	Removal of excess plants from the garden.
Pruning	Covering of topsoil with dry plant materials.
Mulching	Removal of unwanted plants from the garden.

Thinning:

Weeding:

Pruning:

Mulching:

55. (a) State any **two** conditions that can force a mother to use bottle feeding.

(i)

(ii)

- (b) Give any **two** ways of caring for vulnerable people at home.

(i)

(ii)