



ARINGA – NORTH COUNTY – YUMBE DISTRICT
SPECIAL MOCK PREPARATION

PRIMARY SEVEN

2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No:						Personal No:		

Candidate's Name:

Candidate's signature:

District ID No:

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School Name:

Read the following instructions carefully :

1. Do not forget to write your **school** or **district** on the paper
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions.
3. Answer **all** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
4. All answers must be written using a **blue** Or **black** ball point pen or ink. Any work Written in pencil will not be marked.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table indicated
"FOR EXAMINER'S USE ONLY"

FOR EXAMINER'S USE ONLY		
QN. NO.	MARKS	EXR'S NO.
1 -10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

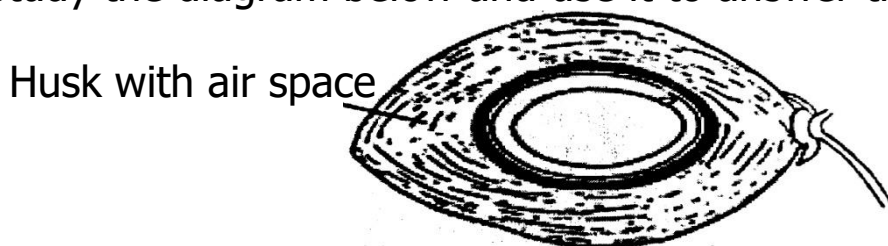
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Turn Over

SECTION A

1. Name the type of change that occurs when humus is formed.
.....
2. Why should resources be conserved in the environment?
.....
3. Which method of preparing clean and safe water for drinking leads to loss of mineral salts?
.....
4. How can one recover the salt which has been mixed with sugar?
.....
5. Identify one activity done by community members to promote hygiene.
.....
6. Which component of breast milk protects the baby against diseases?
.....
7. Mention any one factor that determine the strength of an electro – magnet.
.....

Study the diagram below and use it to answer the questions that follow.



8. How is the above seed dispersed?
.....
9. Why is the above seed likely to be dispersed by the method you have named in 8 above?
.....
10. Why is a canine tooth used for tearing food?
.....
11. Name the type of germ that causes rabies among people.
.....
12. Why is it good to cut a tree above the ground level in coppicing method?
.....
13. Name the body organ that uses sunlight to function.
.....
14. Which blood vessel takes blood from the heart to the lungs?
.....
15. Which class of food enables the replacement of worn out body cells?
.....

16. In the space below, draw a compound fracture.

17. Apart from the heart, name any other organ protected by a rib cage.

18. Give any one piece of information collected during a health survey.

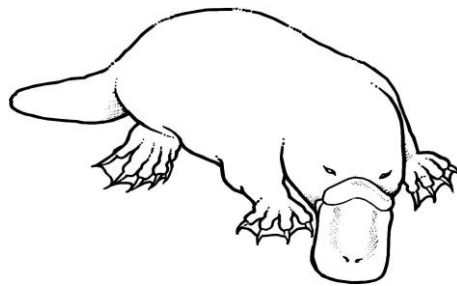
19. Write down one factor considered when choosing trees to be grown in a woodlot.

20. Give any one way of harvesting water at home.

21. State one emotional change in adolescents.

22. Why should a pit latrine be constructed at least ten meters (10m) away from a residential house?

23. To which group of vertebrates does the animal below belong?



24. How is the above organism different from a monkey in terms of reproduction

25. State the principle on which a pin - hole camera works.

26. Give one way in which animals depend on others.

27. How does trachoma affect the eyes of a person with it?

28. To which class of simple machines do screws belong?

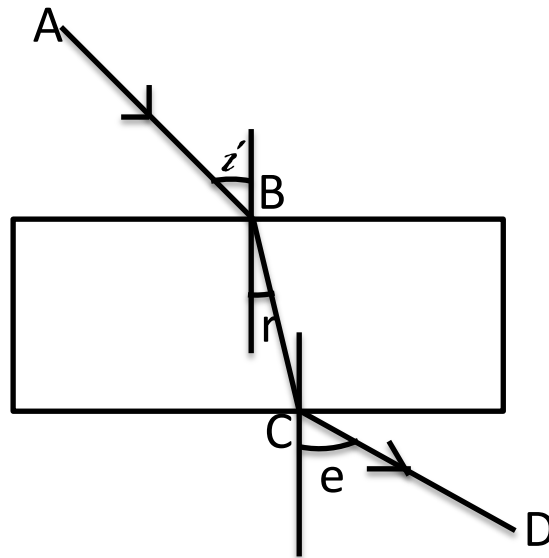
29. Identify one plant process involved in rain cycle.

30. Which weather instrument is used to measure the temperature of a place?
.....
31. How do roughages help in the prevention of constipation?
.....
32. Why should ORS be prepared in a clean container?
.....
33. Give one way immunization makes the body resistant to diseases.
.....
34. Why is sand soil said to be well aerated?
.....
35. In which state of matter are molecules loosely packed?
.....
36. Which type of energy is possessed by a mango fruit on a tree?
.....
37. Apart from making proteins, give any other use of proteins to a plant.
.....
38. Which example of fungi reproduces by cell budding?
.....
39. Name one disease of goats and sheep spread by a tsetse fly.
.....
40. How does ironing of clothes help to control skin diseases?
.....

SECTION A(60MARKS).

- 41a) How do cockroaches contaminate food?
.....
- b) State the muscular – skeletal disease spread by cockroaches.
.....
- c) How is the larva stage of a cockroach different from that of a housefly?
.....
.....
- d) Give one way of controlling cockroaches at home.
.....
- 42a) Name the blood vessel that help in exchange of materials in the body.
.....
- b) State the importance of valves in veins.
.....
- c) How are red blood cells able to transport oxygen in the body?
.....
- d) Give one disease that affects blood in the body.
.....

43. The diagram below is of a glass block , Use it to answer the questions that follow.



a) Name ray marked BC.

b) What name is given to angle marked with ?

e

r

c) Why does the light ray bend at a different angle as it leaves the glass block?

.....

44a) What is meant by the term "**immunization**"?

.....

.....

b) Which child hood immunisable disease is prevented using BCG vaccine?

.....

c) Give any two signs of the disease you have named in 44(b) above.

i)

ii)

45a) What is the function of a cotyledon in a maize grain?

.....

b) In which way is a seed important to a plant?

.....

c) In the space provided below , draw a diagram showing hypogeal germination in a maize grain.

d) Give one example of a seed with epigeal germination apart from beans.

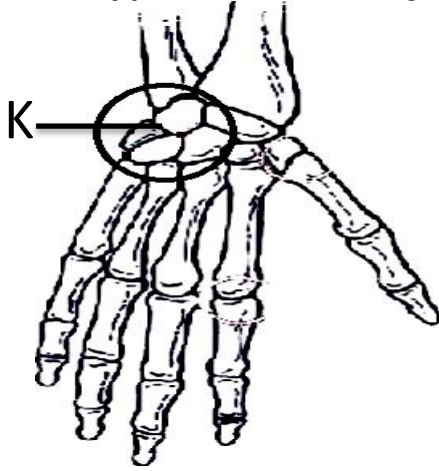
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46a) Which structures reduces friction at a joint?

b) Give two protective functions of the human skeleton in the body.

- i)
ii)

c) Name the type of movable joint labeled K in the diagram drawn below.



d) Give one way in which tendons are useful in muscle attachment.

47a) In which way is the function of the skin similar to that of lungs?

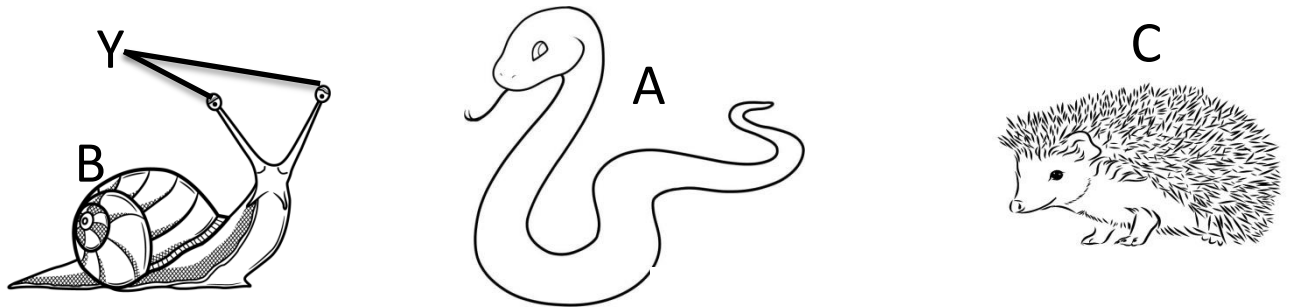
b) Give any one way in which the process of sweating is important in the body

- i)
ii)

c) How do blood vessels behave on a cold weather to regulate the temperature of the body?

d) State the role of melanin pigment in the human skin.

48. The diagram below shows different animals. Use them to answer the questions that follow.



a) Name animal marked C

b) How is animal C different from animal A in terms of protection?

.....
.....

c) How are structures marked Y important to animal B?

.....

d) How is animal A similar to animal B in terms of reproduction?

.....

49a) Match items in list A with those in B correctly.

A

Newcastle

African swine fever

Rabies

Rinder pest

B

cattle

dogs

Pigs

fowls

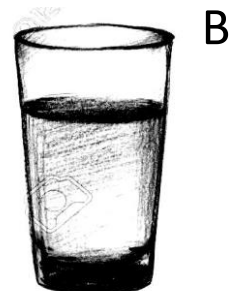
i) Newcastle

ii) African swine fever

iii) Rabies

iv) Rinder pest

50. The same amount of oil and water were put into a container shown in A.
After they were left to settle as in diagram B. Use the diagrams below to
answer the questions that follow.



a) What happened to oil after sometime?

.....

b) Give a reason to support your answer in 50(a) above.

.....

c) Give two other objects that behave like oil when put in water

i)

ii)

51a) Name two agents of soil erosion.

i)

ii)

b) How do trees control soil erosion at school?

.....

c) Give any two ways of controlling soil erosion at school.

i)

ii)

52a) How does paraffin move up through the wick of a lantern lamp.

.....

b) Give two forms of energy produced by a lantern lamp when in use.

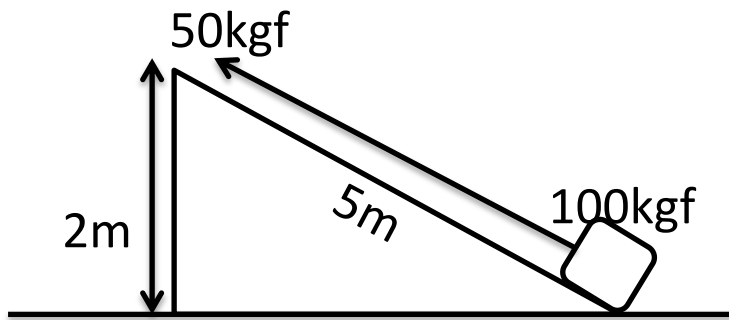
i)

ii)

c) State the energy change that takes place when a wick of a lantern lamp is burning.

.....

53. The diagram below shows a machine used to lift a load.



a) Name the simple machine

b) Calculate the mechanical advantage of the machine above.

c) How can one use less than 50kgf to pull the load?

.....

54a) What do we call the wrong use of drugs ?

.....

b) Give two ways how drugs are misused at home.

i)

ii)

c) Identify one life skill to safe guard against alcoholism.

.....

55a) Which part of a flower receives pollen?

.....

b) What type of pollination is found in paw paw plants?

.....

c) Give two characteristics of wind pollinated flowers.

i)

ii)