



NAMAYUMBA PRIVATE SCHOOL'S ASSOCIATION (NAPSA) PRE-MOCK EXAMINATION SET ONE INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's name:

Candidate's Signature:

District No:

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Read the following instructions carefully:

1. Do not write your **school** or **district name** anywhere on this paper.
2. This paper has two sections **A** and **B**. Section **A** has **40 questions** and section **B** has **15 questions**. This paper has **10 pages** printed altogether.
3. Answer **all** questions. All the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil will **NOT** be marked except drawings and diagram.
5. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill anything in the table indicated
"For examiners' use only" and the boxes inside the question paper.

FOR EXAMINERS' 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		

SECTION A: (40 MARKS)

1- State any one way one can reduce the risks of getting malaria at home.

2- How does a drum produce sound?

3- Name the gas which plants use to make their own food.

4- Give any one type of breed of cattle kept in Uganda.

5- To which group of juicy fruit do mangoes belong?

6- State one reason why sound does not travel through vacuum.

7- In which way is a lateral line important to a fish?

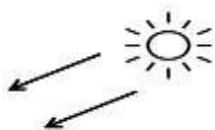
8- Why are we advised to eat a lot of fruits?

9- Name one water borne immunisable disease.

10- Which property of magnet enables a magnetic compass to work?



The diagram below shows a plant response to stimulus. Study it carefully and answer question



11- Name the tropism shown in the diagram.

12- Why do farmers carry out seed selection?

13- How is ecdysis important to insects?

14- What type of skeleton do slugs have?

15- State any one example of fossil fuel.

16- How is a fuse important in an electric circuit?

17- In the space below, draw a white blood cell.



Use the diagram of a flying kite below to answer the question that follows.

18-  of energy does the kite possess?

19- What element of PHC does a child promote by a mother breast feeding a baby?

20- State the similarity in function between the kink of the thermometer and the valves in the veins.



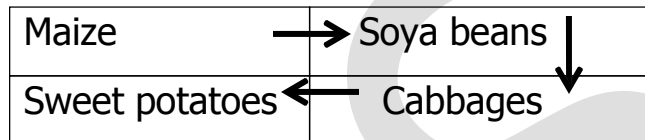
21- How do trees clean the air around an industry?

22- What general name is given to the plumule and radical of a germinating seed?

23- Why does an empty jerrycan float when thrown in a water source?

24- Name the enzyme that breaks down proteins into amino acid.

25- Name the farming practice shown below.



26- Where in the female reproductive organ does fertilization take place?

27- What common characteristic makes spider and a tick to be grouped together as arachnids?

28- Name the organ in the body that produces bile.

29- How does a mushroom obtain its food?

30- Why is a fire extinguisher always painted with bright and clear colours?



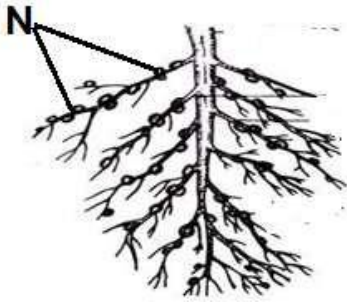
31- State the characteristic that makes sand soil suitable for construction of houses.

32- Why is disbudding carried out on a cattle farm?

33- State a reason why electricians are advised to wear rubber gloves when carrying out repairs.

34- Why are muscles of the heart regarded as involuntary muscles?

The diagram below is of root of a legume. Use it to answer the questions that follow.



35- Name the part marked with letter N

36- What is the use of part marked N on the diagram ?

37- Mention any one plant process that takes place in leaves.

38- How are shallots propagated?

39- State any one advantage of using biogas over firewood.

40- State the force that opposes motion between objects.



SECTION B: (60 MARKS)

41- (a) What is an accident?

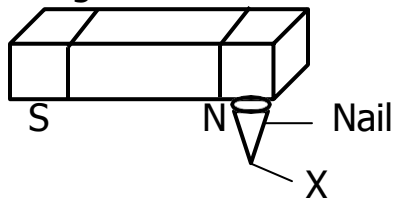
b) Mention any two accidents that affect the muscular skeletal system.

(i) _____

(ii) _____

c) Name any one disease that affects the muscular skeletal system.

42- Use the diagram below to answer the questions that follow.



(a) Name the pole that is formed at X.

(b) How does the nail in the diagram get magnetized?

(c) What type of magnet does the nail become?

(d) Mention any other method of making magnets apart from the one above.

43- (a) Name any one breed of cattle.

b) Mention the system of grazing cattle where grazing land is divided into portions.

c) Why do farmers practice cross-breeding on their farms?

d) Mention any one disadvantage of keeping local breeds of cattle over exotic ones.



44- (a) What are poultry vices?

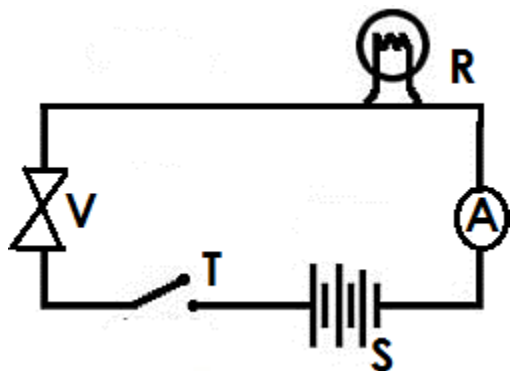
b) State any two examples of poultry vices.

(i) _____

(ii) _____

c) Mention any one way of controlling poultry vices.

45- The diagram below shows an electric circuit. Study it carefully and use it to answer questions that follow.



a) Name part marked T and V

T _____

V _____

b) What form of energy is stored at S?

c) Use the arrow head to show the direction of current flow.

46- (a) State any one reason why a mushroom is not a plant.

b) Give any two examples of plants that reproduce in the same way as mushrooms.

(i) _____

(ii) _____

c) Give any one example of a plant that does not bear flowers but reproduce by means of seeds.



47- Give any one part of the body where we find each of the following joint

(i) Hinge joint _____

(ii) Ball and socket _____

(iii) Pivot _____

b) Name any one injury that takes place at a joint.

48- Study the table below carefully and use it to answer the questions that follow.

A	B	C
Snail	Salamander	Tortoise
Octopus	Frog	Chameleon
Oyster	Newt	Crocodile
Slug	Toad	Lizard

(a) State the similarity between animals in group B and C

(b) What general name is given to animals in group A

(c) Name the structure that animals in group A use to sense.

(d) State one difference between animals in group B and A

49- (a) A maize grain has two scars. Name them.

(i) _____

(ii) _____

(b) How is the endosperm useful to a germinating maize?

(c) What type of germination does a ground nut carry out?



50- Give two aspects of weather.

(i) _____

(ii) _____

b) Name the type of clouds that is;

(i) clear sign of fair weather _____

(ii) furthest in the sky _____

51- The table below shows diseases, vectors , germs which they carry and the disease caused. Study and complete it correctly.

<u>Disease vector</u>	<u>Germ carried</u>	<u>Disease caused</u>
(i) female anopheles mosquito	_____	Malaria
(ii) _____	Vibro cholerae	Cholera
(iii) simulid	Onchocerca volvulus	_____
(iv) _____	Schistosomes	Bilharziasis

52- (a) Name any one example of static electricity in nature.

b) Name the installation that is used to prevent the electricity in (a) above from killing people.

c) Give any two ways electricity is used in our daily life.

(i) _____

(ii) _____



53- (a) Name any one end product and by product of respiration

(i) End product_____

(ii)By product_____

b) State any one way of keeping the respiratory system in a good working condition.

c) Identify one disorder of respiratory system.

54- (a) What is meant by the following terms in sound?

(i) Pitch

(ii)Echo

b) State any one importance of echo to animals like bats.

c) How does sound travel from one point to another?

55- Match the following mammals to the groups where they belong.

Mammal

group

(i) Porpoise

insectivores

(ii) Porcupine

marsupials

(iii) Opossums

sea mammals

(iv) Ant bear

gnawing

(i) Porpoise

(ii) Porcupine

(iii) Opossums

(iv) Ant bear



******GOOD LUCK******