



VICTORY STEP EDUCATION SERVICES

PLE SPECIAL MOCK EXAMINATION

2022

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index No					Personal No			

Candidate's name.....

Candidate's signature.....

District name.....

School name.....

Read the following instructions carefully

1. This paper has two sections A and B

2. Section A has 40 questions (40 marks) and

Section B has 15 questions (60 marks)

3. Answer all questions in section A and B.

All answers must be written 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 apart from diagrams

5. All handwriting that cannot easily be read may lead to

Loss of marks.

6. Do not write anything in the box with EXAMINER'S USE ONLY

FOR EXAMINER'S USE ONLY		
QN.	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A:40 MARKS

Question 1 to 40 carry one mark each.

1.What do insects use to breath

.....

2.How do heat travel through gasses

.....

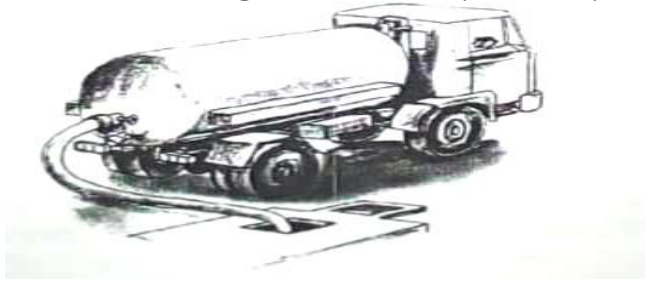
3.To which group of simple machine do panga belong?

.....

4.Mention one example of harmless fungus in the environment

.....

Below is a diagram of cesspool emptier. Use it to answer question 6



6.Name the force that is used by a cesspool emptier to suck wastes from a septic tank.

.....

7.Name the component of air that turns lime water milky

.....

8.Give one danger of smoking to an individual

.....

9.Name the blood component which is destroyed by the plasmodia germ

.....

10.Name any one component of loam soil that makes it better than sand soil

.....

11.Give a reason why nitrogen is used in the electric bulb

.....

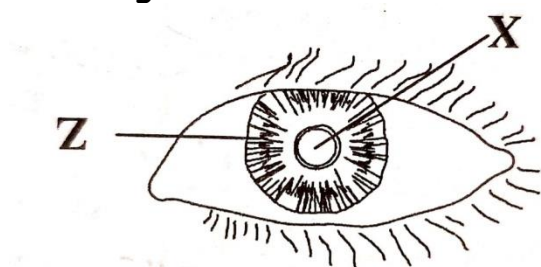
12.Why is transpiration an important process in cloud formation?

.....

13.Give one reason why carbon dioxide gas useful to people

.....

The diagram below is of a human eye.Use it to answer question 14



14. Give the use of part marked with letter Z.

15. How does salting preserve meat?

16. What advice can you give to a mother whose child is suffering from measles?

17. Why does water settle at the bottom when mixed with paraffin?

18. Apart from capital, give one other requirement for starting a livestock farm.

19. Give the importance of the ovary during reproduction in woman.

20. Give any **one** way a person can use the appearance to differentiate between arteries and veins.

21. Mention any **one** service provided to people by a health centre .

Use the diagram below to answer the question 22 and 23.



23. Name the part labeled P

24. State the function of the part labeled Q

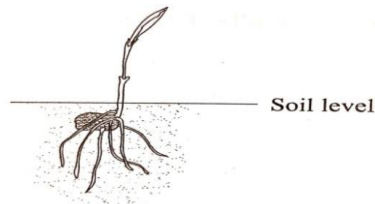
25. Mention one condition under which drugs must be stored

26. Give one activity that promotes sanitation in a community

27. Name the type of fracture which is common in young children below six years of age

The diagram below shows a germinating seed.

Use it to answer questions 28 and 29



28.State the type of germination shown above

29.Where does the seed above store the food used during germination

30.Why is a rabbit grouped under mammals?

31.Give one use of insulators to people

32.Name one type of cattle kept in Uganda today

33.Give any one reason why the type of cattle in 32 above kept

34.Give one cause of anti-social behaviors in the community

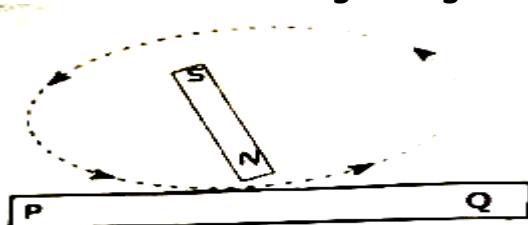
35.Why are we not advised to use sharp objects when cleaning our ears

36.Which element of P H C sensitizes people about dangers of cholera

37.How does early planting help to control crop pests?

38.How do plants benefit from osmosis?

Below is an illustration of making a magnet.use it to answer questions 39 and 40.



39.Name the above method of magnetization.

40.Name the pole q after magnetization.

SECTION B: 60 MARKS

Question 41 to 55 carry four marks each

41. Name any **two** types of bee hives.

(i).....

(ii).....

(b) Give **one** advantage of growing flowering plants near bee hives

.....

(c) Write down **one** material bees collect from trees to repair hives.

.....

42. The diagram below shows a man who had near drowned in water being given first aid by a pupil who was passing by. Use it to answer the questions that follow.



(a) Name the condition illustrated above will require the pupil to give a "kiss of life" to the man

.....

(b) Mention any one place at home where near drowning can occur

.....

(c) In two brief sentences, explain how the pupil would administer the first aid in order to save the life of the man

(i).....

(ii).....

43. What is meant by the term immunity?

.....

(b) At what age is measles vaccine administered to children

.....

(c) State any **one** way one can acquire natural immunity

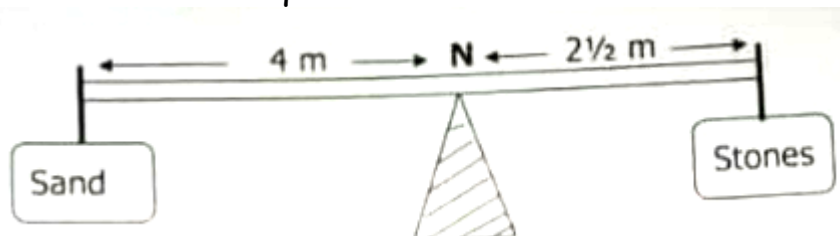
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(d) Write any **one** importance of a child immunization card to a health worker.

.....

44. The diagram below show two weights balancing on a see-saw.

Use it to answer questions that follow.



(a) Identify the load which is heavier than the other

.....

(b) Give a reason for your answer in (a) above

(c) To which class of levers does the above machine belong?

(d) Name one machine that belongs to the above class of levers

45. Give the meaning of the word excretion

b) Name **one** role of the following organs in the excretion process

(i) Skin

(ii) Kidneys

c) Give **one** way of caring for lungs

46. (a) Give **two** examples of abiological change

(i)

(ii)

(b) State **two** characteristics of a chemical change

(i)

(ii)

47. (a) Give any **two** ways how some one can contact COVID19

(i)

(ii)

(b) State any **two** activities carried out by school children to avoid the spread of COVID19.

(i)

(ii)

48. State the cause of the following disease

(i) Night blindness

(ii) Rickets

(b) Apart from the above diseases, mention one other disease which results from poor feeding

(c) Give the best way of controlling deficiency disease

49. (a) What are **vices** in poultry

(b) Give **one** example of **vices** in poultry

.....
(c) Why are laying boxes put in dark places in a poultry house
.....

(d) Give **one** reason why farmers debeak their birds
.....

50(a) Name **one** material that reflects light
.....

(b) What are incandescent bodies ?
.....

(c) Name **one** natural and artificial source of light

(i) Natural.....

(ii) Artificial.....

51.(a) Define the term temperature?
.....
.....

(b) How is a six's thermometer useful to people
.....

(c) Convert 25°C to $^{\circ}\text{F}$
.....

52.(a) Name **two** components of soil

(i).....

(ii).....

(b) Mention any **one** importance of soil in the environment
.....

(c) Why does water take long to pass through clay soil?
.....

53.(a) Name any **one** method of making alcohol
.....

(b) Mention **one** factor that leads to alcoholism
.....

(c) Give any **two** reasons people give for drinking alcohol

(i).....

(ii).....

54. Use the list of organisms below to answer the question that follow.

Crab , Millipede , Cray fish , Centipede , Mosquito , Hookworm.

(a) Mention two organisms in the list that belong to crustaceans

(i).....

(ii).....

(b) Which characteristics is common in all the above organisms?

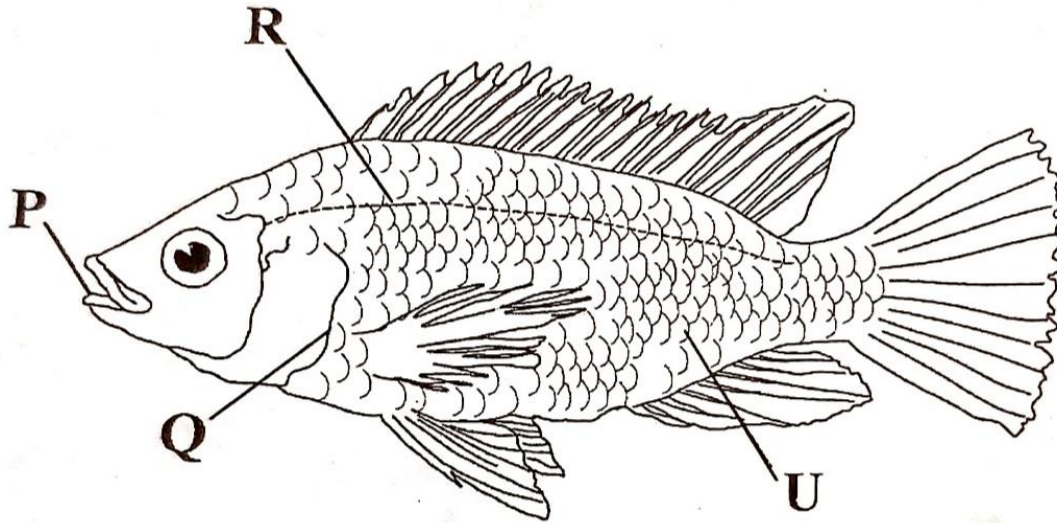
.....

(c) How is a hookworm different from all the other organisms?

.....

55. *The diagram below is of a fish.*

Use to answer questions that follow



(a) Name the part labeled **R**

.....

(b) Give the function of the part labeled **P** and **U**

(i) **P**.....

(ii) **U**.....

(c) What structure is covered by the part labeled **Q** ?

.....

END