



DIVINE EDUCATION CENTRE
P.7 MID TERM 1 EXAMINATION
2023

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 **11 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

1- Name any one domestic carnivorous animal.

2- How are ferns similar to mushrooms?

3- State one reason why water passes through sand soil easily.

4- How do plants reduce the rate of transpiration during dry season?

5- Of what importance is bile juice in digestion process?

6- What force makes objects weigh less when immersed in water?

7- How is tepid sponging important in giving first aid to patients with fever?

8- Why should cholera patients be isolated from all other people?

9- How are health parades useful in a school?

10- What is the use of lightening conductor on houses?



11- Name the main artery in the human body.

12- How is the wind pipe protected from closing during breathing?

13- What class of vertebrate is the turtle?

Below is one of the useful equipment on a cattle farm. Study it and answer question 14.



14- How useful the above equipment on a cattle farm?

15- What scientific term is used to refer to the scattering of seeds from the parent plant to other areas?

16- What name is given to an injury where the ligaments are stretched or torn?

17- Apart from lung cancer, name another disease caused by smoking.

18- How can swarming of bees be reduced?

19- What name is given to the magnet made by using electrical method?

20- What substance reduces friction at a joint?



21- Give the importance of epiglottis in the respiratory system.

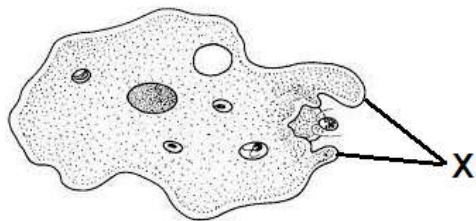
22- How can echoes be reduced in a hall?

23- State any one example of a corm.

24- Convert 100°C to $^{\circ}\text{F}$

25- Mention any one method of applying fertilizers in the garden.

26- Below is a diagram of amoeba. Give the importance of the projections marked X to the amoeba.



27- What is the importance of foliage leaves to a bulb?

28- State any one example of a vermin.

29- Name any one material used as litter in a deep litter system.

30- How are smooth muscles similar to cardiac muscles?



31- Mention any one cause of food insecurity in Uganda.

32- Why are children administered against polio more than once?

33- Give any one indicator of poor sanitation in a home.

34- Why is it not advisable for pregnant women to smoke?

35- What name is given to a hormone that cause ripening of fruits?

36- Why is burning a chemical change?

37- Why is shearing done in dry season?

38- Give one disadvantage of treating water for drinking with chemicals like chlorine?

39- Outline one way of controlling the spread of common sickness in humans.

40- Where in the human body are red blood cells manufactured?



SECTION B

41- Give any one type of poultry you know.

b) How are feathers able to keep the bird warm?

c) Which type of feathers is found on the tail and wings of a bird?

d) Write one structural difference between a cock and a hen.

42- Name the mineral lost by a dehydrated person.

b) Give any two signs of a dehydrated child.

(i)_____

(ii)_____

c) How can we treat a dehydrated child?

43- How can garlic and onions be propagated apart from using bulbs?

b) Apart from onions and garlic, mention one other plant propagated using bulbs.

c) State any two examples of plants that can grow in desert areas.

(i)_____

(ii)_____



44- What is drug prescription?

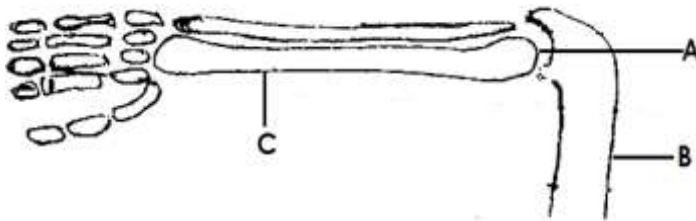
b) Give any two uses of proper drug prescription to people.

(i) _____

(ii) _____

c) After how many hours is the patient supposed to take second dose of a drug prescribed 2 x 3?

45- The diagram below shows part of a human arm. Use it to answer questions that follow.



a) Name the type of joint found at part labeled A.

b) Name the bones labeled C and B

C _____

B _____

c) Which other part of the human body has the same type of joint as the above?

46- How is hydrochloric acid useful in the stomach?

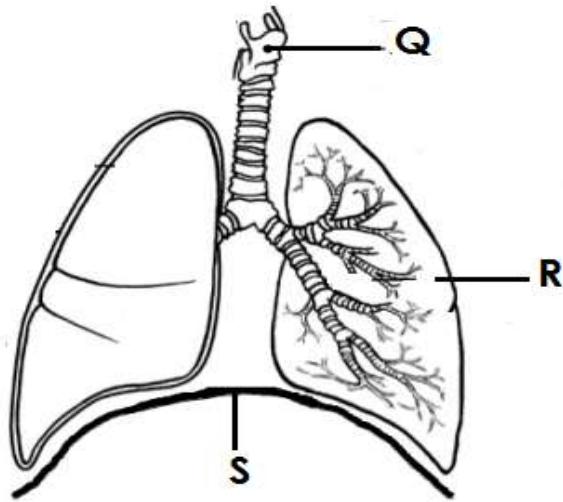
b) Name the digestive juice produced by the stomach walls.

c) Name the class of food whose digestion begins in the stomach.

d) Name the part in the mouth used in digestion of food.



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



a) Name the part labeled Q

b) Name two diseases that affect part R

(i) _____

(ii) _____

c) What happens to part S during exhalation?

48- Which term refers to the highness or lowness of sound?

b) How are echoes reduced in cinema halls and theatres? (Give two ways)

(i) _____

(ii) _____

c) State one advantage of echoes in the environment.

49- Match the following tropism to their stimuli

List A

(i) Phototropism

(ii) Geotropism

(iii) Hydrotropism

(iv) Thigmotropism

List B

force of gravity

touch

light

water and moisture

(i) Phototropism _____

(ii) Geotropism _____

(iii) Hydrotropism _____

(iv) Thigmotropism _____



50- State any two functions of the skeleton to an organism

(i) _____

(ii) _____

b) Name any one disease and disorder of the skeleton

(i) disease _____

(ii) disorder _____

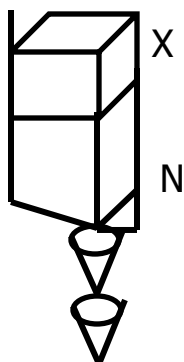
51- Name the form of energy stored in a dry cell.

b) How is a fuse different from a switch in terms of function?

c) What energy change takes place in an electric bulb when the circuit is complete?

d) Why are most electric wires made of copper?

52- The diagram below shows a method of making a magnet. Use it to answer questions that follow.



a) Name the method of making magnets shown above.

b) What name is given to the magnet made by using the above method?

c) Give one way in which magnets are used by doctors.

d) Name any one example of metallic non-magnetic material.



53- How useful are the following blood components in the body?

(i) Red blood cells

(ii) White blood cells.

b) Suggest one disease that attacks the above components of blood

(i) Red blood cells _____

(ii) White blood cells. _____

54- What is meant by the term resources?

b) State two ways how wind is a resource.

(i) _____

(ii) _____

c) How can non-renewable resources be conserved?

55- What name is given to the vertical arrangement of soil layers?

b) Give one reason why clay soil is not suitable for crop growing.

c) Give the meaning of the following terms.

(i) Soil structure

(ii) Soil texture.



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