



DIVINE EDUCATION CENTRE

P.7 BEGINNING OF 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 **12 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)

Questions 1 to 40 carry 1 mark each

SECTION A

1- Apart from an apple, state any other one example of a pome.

2- Name the breathing organ of a spider.

3- Mention any one mineral deficiency disease.

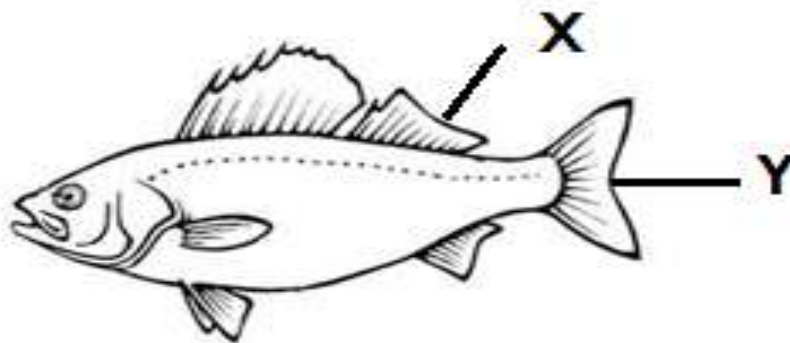
4- State one way how plants with weak stems climb others.

5- Give one example of a flightless bird.

6- How are tsetse flies dangerous to animals?

7- What food value is present in honey?

8- How is the use of part X different from that of Y on the diagram below?



9- To which group in the animal kingdom does a bat belong?

10- Give a reason as to why it belongs to the group you have named above



11- Name the type of thermometer that uses both alcohol and mercury in it.

12- Why do birds and fish have streamlined bodies?

13- What name is given to the larva stage of a mosquito?

14- How does a drum produce sound?

15- Give one reason why health workers should give drug prescription to their patients.

16- Apart from onions and garlic, state any other one example of a bulb

17- In the space provided below, draw a simple palmate leaf.



18- How is epigeal germination different from hypogeal germination?

19- How are birds like sunbirds important to crop farmers?

20- Name the type of soil erosion that commonly occurs in hilly areas.



21- Why is a toadstool regarded as a saprophyte?

22- To which group of birds does a horn bill belong?

23- Name one example of an animal hunted and eaten by birds whose beak is shown below



24- Name the component of blood that transports digested food in the body.

25- How can the spread of east coast fever be controlled on a cattle farm?

26- Why do worker bees die after stinging their enemies?

27- State one reason why cattle keepers use warm water to clean the udder of a cow before milking.

28- Name the vaccine given to pregnant mothers.

29- Why is it encouraged to pour cold clean water around the burnt part of a person?

30- State a reason why sound cannot travel through vacuum



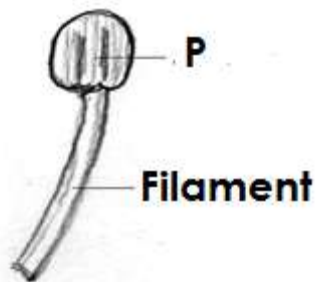
31- What enables a gecko to move upside down ceilings?

32- Which part of air helps to improve on soil fertility?

33- Give any one reason why farmers harvest their crops during dry season.

34- Name the part of the alimentary canal where mineral salts are absorbed into the blood stream.

Use the diagram below to answer questions that follow.



35- What name is given to the drawn part of a flower?

36- Name the part marked P

37- How do sea mammals keep their bodies warm in water?

38- State one group of plants that do not bear flowers.

39- Which type of soil is the best for making ceramics?

40- What name is given to food made by plants?



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

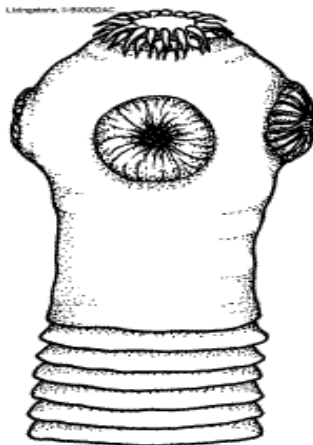
41- Name the vector that spreads bilhaziasis to people.

b) How is the habitat of coelenterates similar to that of tadpoles?

c) Name two examples of molluscs without body shells

(i)_____ (ii)_____

42- Study the diagram below and answer questions that follow.



(a) Name the internal parasite shown in the diagram.

(b) What does the parasite above feed on in the body?

(c) How does the above parasite enter the human body?

(d) Give one way of controlling the above parasites in children?

43- Give any two ways of saving energy at home.

(i) _____

(ii) _____

(b) Write two dangers of using wood fire over electricity.

(i) _____

(ii) _____



44- Give any two factors leading to teenage pregnancy

(i) _____

(ii) _____

(b) State any two ways in which school children can avoid teenage and unwanted pregnancy.

(i) _____

(ii) _____

45- Give any two components of water.

(i) _____

(ii) _____

(b) Define the term hard water.

(c) State one way of removing hardness from water.

46- Match the immunisable diseases below to their signs

Disease

sign

Tuberculosis

swollen neck

Measles

paralyzed limbs.

Diphtheria

chronic cough

Poliomyelitis

skin rash

Tuberculosis _____

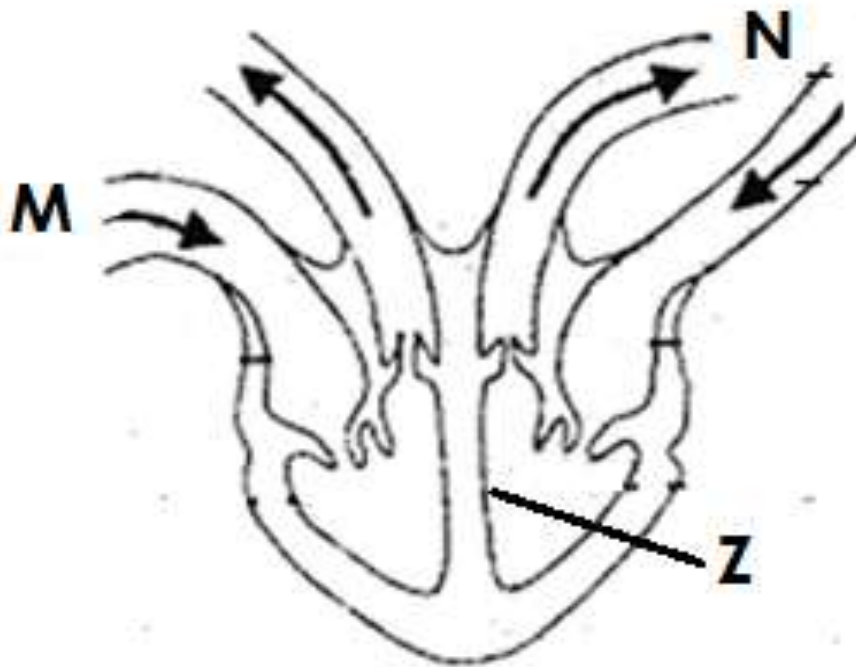
Measles _____

Diphtheria _____

Poliomyelitis _____



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



(a) How is blood at N different from that at part M

(b) State the role of muscle L to the above body organ.

(c) Give two ways of promoting the proper working of the above body organ

(i) _____

(ii) _____

48- Name one poisonous substance found in tobacco

(b) Why do people smoke tobacco?

(c) Name the body organ greatly affected by smoking tobacco.

(d) State one way of avoiding smoking tobacco.

49- Define the term dehydration

b) State two causes of dehydration

(i) _____

(ii) _____

c) Why is sugar included in the making of ORS?

d) Give any one sign of a dehydrated person.



50- State any two reasons why some farmers would prefer rearing goats to cattle.

(i) _____

(ii) _____

b) Mention one example of an exotic breed of goat kept for milk production.

c) Name the fibre got from goats.

51- The table below shows human body organs and the systems to which they belong. Study it and compete it correctly.

Organ	System
Lungs	_____
_____	Circulatory
Enzymes	_____
_____	Excretory

52- Name any one example of a reptile that has a shell.

b) How are reptiles similar to birds?

c) Mention any one example of a mammal that uses echo to detect its food.

d) Apart from the mammal you have mentioned above. State any other animal that uses echo.



53- Mention any two examples of solitary insects in our local environment.

(i) _____

(ii) _____

b) State two ways in which insects may be harmful to people.

(i) _____

(ii) _____

54- Identify the method that can be used to separate each of the following

a) Small stones from rice

b) Oil from water

c) Iron fillings from flour

d) Husks from millet

55- State the importance of the following garden tools below.

(i) Garden fork

(ii) Forked hoe

b) Suggest two ways how metallic garden tools can be prevented from rusting.

(i) _____

(ii) _____



END