



DIVINE EDUCATION CENTRE

**P.7 END OF TERM 1 EXAMINATION-2024**

INTEGRATED SCIENCE

***Time allowed: 2hours 15 minutes***

Random No.						Personal No.		

**Candidate's Name:** .....

**Candidate's Signature:** .....

**District ID 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		

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Turn Over

## SECTION A: 40 MARKS

Questions **1** to **40** carry one mark each

1- Name any one fungus in the environment.

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2- Why do most farmers carry out transplanting in the evening?

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3- Give the best way AIDS can be prevented among school children.

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4- Which skeletal structure protects the heart and lungs?

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5- Mubiru's child showed the following signs; stiff muscles and spasms when touched.  
Which immunisable disease is the child suffering from?

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6- Define the term quarantine as used in animal management.

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7- How are worker bees adapted to carrying pollen grains?

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8- Name any one condition that makes a mother use a bottle feeding.

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9- Name the method of making magnets where a permanent magnet is not used.

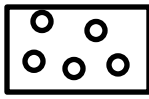
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10-How is uranium used as an energy resource?

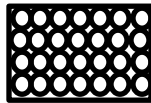
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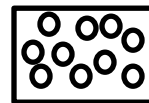
**The diagram below shows different states of matter use it to answer questions 11 and 12**



A



B



C

11-Which state of matter is marked B?

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12-How does heat travel in state of matter marked A?

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13-In which way do plants make use of light from the sun?

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14-How are fish adapted to overcoming viscosity during swimming?

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15-State any one use of litter in a poultry house.

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16-How is the function of molar teeth similar to that of grit in bird's gizzard?

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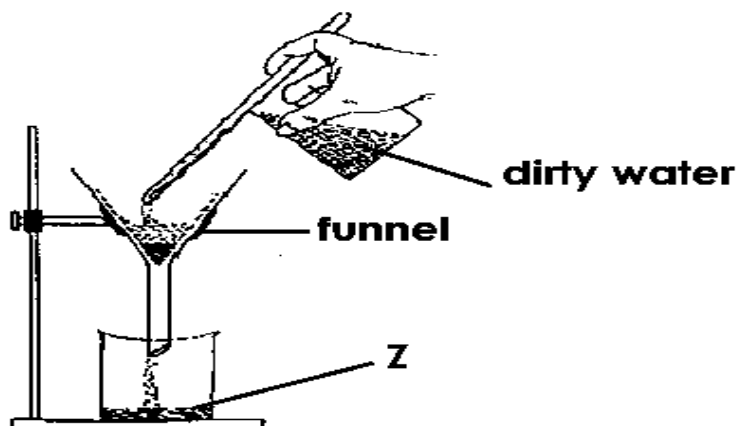
17-Name one form of static electricity in nature.

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18-Give one reason why sick people need food rich in proteins.

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**Below is a method of making dirty water clean. Use it to answer questions 19 and 20.**



19-Name the method of making dirty water clean in the diagram above.

20-Why is water got by the above method not good for drinking?



21-How is moulting useful to insects?

22-Name any one device that changes electrical energy to heat energy.

23-How does rusting affect magnets?

24-Name the wood fuel got by burning wood in limited supply of oxygen.

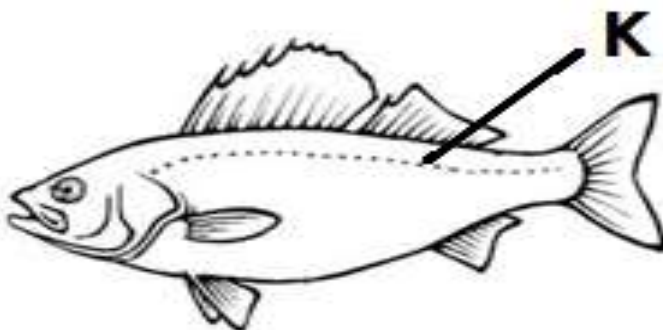
25-To which type of tuber crops do irish potatoes belong?

26-Why are ventilators placed at a higher level than a window?

27-Which element of PHC reduces population growth?

28-How does the use of electricity help to conserve trees in the environment?

**Use the aquatic animal below to answer questions 28 and 29**



29-Name the part marked K.

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30-Apart from providing proteins, how else does the animal above improve health of people in the community?

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31-Why is the filament of an electric bulb coiled?

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32-State one reason for prescribing medical drugs before giving them to patients?

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33-What type of skeleton is possessed by earthworms?

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34-How important is a screen on a VIP latrine?

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35-How does silting affect fish?

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36-How is a magnet useful to a doctor?

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37-State any one effect of hookworms in the body.

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38-Mention any one cause of tooth decay.

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39-In which one way is burning similar to rusting?

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40-Which group of birds promote sanitation in the environment?

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



(a) Which type of seed dispersal does the seed undergo?

\_\_\_\_\_

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

\_\_\_\_\_

(c) Besides the seed drawn above, name any one other seed that undergoes the same type of dispersal

\_\_\_\_\_

(d) State any one advantage of seed dispersal.

42-Match the type of joints to their examples

**Type of joint**

**example**

Pivot joint

elbow joint

Ball and socket joint

neck joint

Gliding joint

shoulder joint

Hinge joint

wrist joint

(a) Pivot joint \_\_\_\_\_

(b) Ball and socket joint \_\_\_\_\_

(c) Gliding joint \_\_\_\_\_

(d) Hinge joint \_\_\_\_\_

43-(a) Name the digestive juice produced in the mouth.

(b) Why are people advised to chew food properly before swallowing?

(c) Mention any one disease of the digestive system.

(d) How is peristalsis important in the body?



44-(a) Name the blood cells that perform the following functions:

(i) Transports oxygen in the body. \_\_\_\_\_

(ii) Defends the body against diseases. \_\_\_\_\_

(b) State any two ways of controlling mosquitoes at larva stage.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

45-(a) Give a reason why a clinical thermometer is not sterilised by boiling.

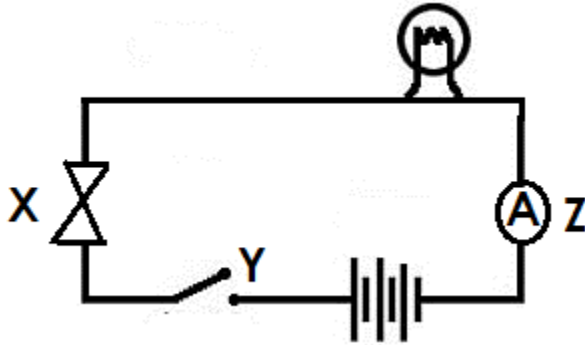
(b) How are the following types of thermometers reset?

(i) clinical thermometer

(ii) Six's thermometer

(c) State one reason why mercury is commonly used in most thermometers.

46- Below is a diagram of an electric circuit. Use it to answer questions that follow.



(a) Name the components of electric circuit labelled Y and Z

Y \_\_\_\_\_ Z \_\_\_\_\_

(b) Why can't the bulb produce light when part Y is closed?

\_\_\_\_\_

(c) State the use of component X in the electric circuit.

\_\_\_\_\_



47-(a)How does sound of a bell reach P.7 candidates in their classroom?

\_\_\_\_\_

(b)How does a guitar produce sound?

\_\_\_\_\_

(c)State a reason why cleaning the ears using sharp objects is discouraged.

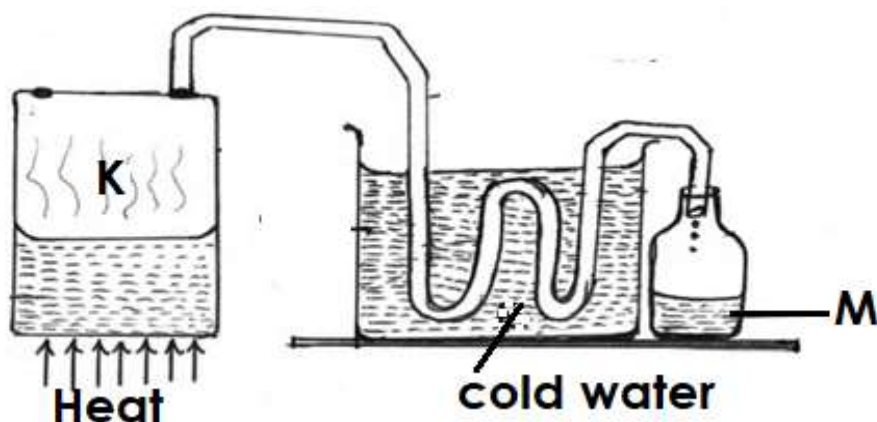
\_\_\_\_\_

(d) How important are ossicles in the ear?

\_\_\_\_\_



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



(a) Identify the method of making alcohol shown above.

(b) Name the physical process that takes place at K in the diagram above.

(c) What scientific name is given to substance marked M?

(d) Give a reason why delivery tube is coiled.

49-(a) How is the function of cotyledon of a seed similar to endosperm of a maize grain?

(b) Give the use of water during germination.

(c) Why do farmers sort their seeds before planting them?

(d) How does crop rotation control pests?



50-(a) Besides wringing, give two other processes involved in cleaning clothes.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) How does wringing help wet clothes dry faster?

(c) Why should washed clothes be ironed before they are worn?

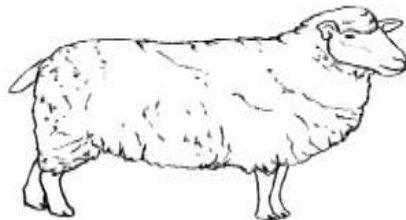
51-(a) What is fainting?

(b) State the main cause of fainting.

(c) Give any one factor that can lead to fainting.

(d) Why should the legs of a fainted person be raised above the head?

52- **Below is a sheep management practice. Use it to answer questions that follow.**



(a) Name the sheep management practice shown above.

(b) State one reason for carrying out the practice above.

(c) Give the main reason why farmers rear merino sheep

(d) How can foot rot disease be prevented in sheep management?

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53-(a) Define the term environmental degradation

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(b) Identify any two natural causes of environmental degradation.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) In which one-way can natural causes of environmental degradation be controlled?

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54-(a) Name the method of soil formation that involves the action of bacteria.

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(b) How do earthworms aerate the soil?

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(c) How do earthworms benefit from soil?

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(d) Which type of soil is used for making tiles?

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55-(a) State any two ways of conserving wood fuel.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) In which two ways does the use of wood fuel affect the environment?

(i) \_\_\_\_\_

(ii) \_\_\_\_\_



**\*\*\*\*GOOD LUCK\*\*\*\***