



DIVINE EDUCATION CENTRE

PRIMARY LEAVING EXAMINATION-2024

INTEGRATED SCIENCE (ITEM 2 of 4)

Time allowed: 2 hours 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 **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		

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Turn Over

SECTION A: 40 MARKS

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

1- Name the human body organ which enables the learners to remember what is taught by the teacher.

2- How does sitting affect fish?

3- Which farm practice reduces the risk of animals injuring others in cattle?

4- To which group of simple machines does the tool below belong?



5- Name any **one** method of applying fertilizers in the garden.

6- Apart from banana, which other plant is propagated by means of suckers?

7- How does the fire brigade of Uganda police make use of carbon dioxide gas?

8- Why would it be a bad practice to remove ear wax using a sharp object?

9- Mention the element of PHC that helps in the control of human population.

10- In which **one** way do plants depend on other plants?



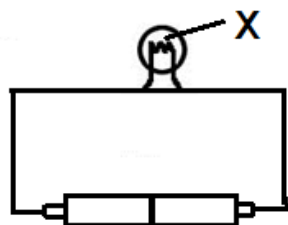
11- Which type of latrine allows bad smelling air to be expelled by convection current?

12- How is breast pump important to breast feeding mothers?

13- Write any **one** secondary sex characteristic that occurs in both boys and girls.

14- State the danger of rusting to magnets.

The diagram below shows a simple circuit. Use it to answer question 15.



15- Why is part x unable to produce light?

16- Name the deficiency disease that causes bowed legs in infants.

17- In which **one** way can farmers control soil erosion in low land areas?

18- Which component of air is used as a raw material for photosynthesis?

19- Give **one** reason why loam soil is the best soil for growing crops.

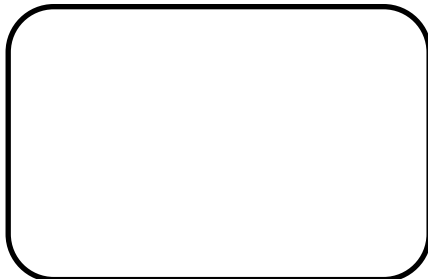
20- Mention **one** characteristic of floating objects.



21- In which **one** way does a smoker affect other family members?

22- Why are clothes always soaked before washing?

23- In the space provided below, draw a type of lens used to correct long sightedness.



24- State any **one** way of preventing rabbits from digging burrows in the hutch.

25- Apart from transpiration, name **one** process that takes place in leaves.

26- How are spores important to a fern plant?

27- Why do people installing electricity wear rubber gloves?

28- How is the rearing of sheep useful to a textile industry?

29- Name any **one** way of preventing diseases without the use of drugs.

30- How does debeaking control egg eating in poultry?



31- Name any **one** way in which animals move from one place to another.

32- Name the property of magnet shown in the diagram below.



33- Which digestive disorder is prevented by feeding on foods rich in roughages?

34- Mention **one** solute used in the preparation of ORS.

35- In an experiment, a P.5 pupil wanted to find the volume of a piece of cassava. What method would you advise the pupil to use?

36- State **one** danger of eating under cooked meat.

37- Why are thick blankets always covered on cinema halls?

38- In which **one** way can soil pollution be prevented?

39- Why shouldn't water got by distillation be drunk?

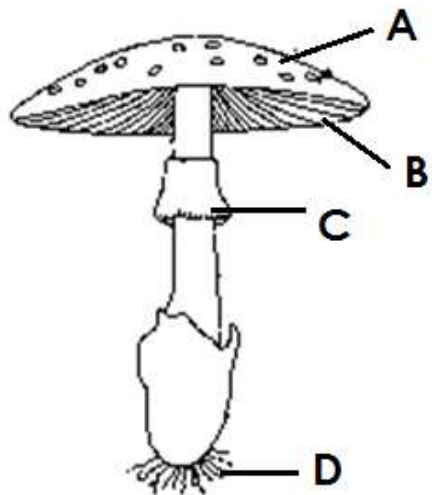
40- Why are images formed on the retina?



SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41- The diagram below shows parts of a mushroom. Study it and use it to answer questions that follow.



(a) Name the parts marked

(i) **C** _____

(ii) **A** _____

(b) Give the function of part marked **B**

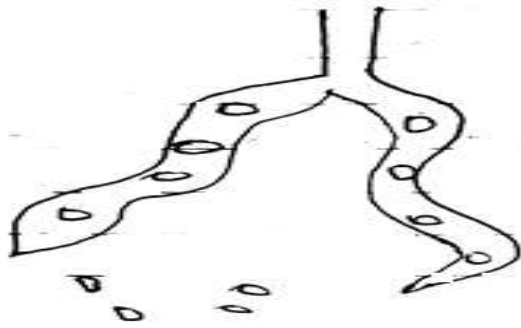
(c) Name any **one** plant that has the same mode of reproduction as the organism shown in the diagram above.

42- Apart from breast feeding mothers, give other **two** groups of vulnerable people.

(b) Why is prolonged breast feeding regarded as a natural family planning method in some women?

(c) How is colostrum important to babies?

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



(a) Name the method of seed dispersal shown above.

(b) State any **two** importance of seed dispersal in the environment

(i) _____

(ii) _____

(c) Give any **one** danger of seed dispersal in the environment.



44- The following signs were seen on a two year old baby.

Skin rash, runny nose, red eyes.

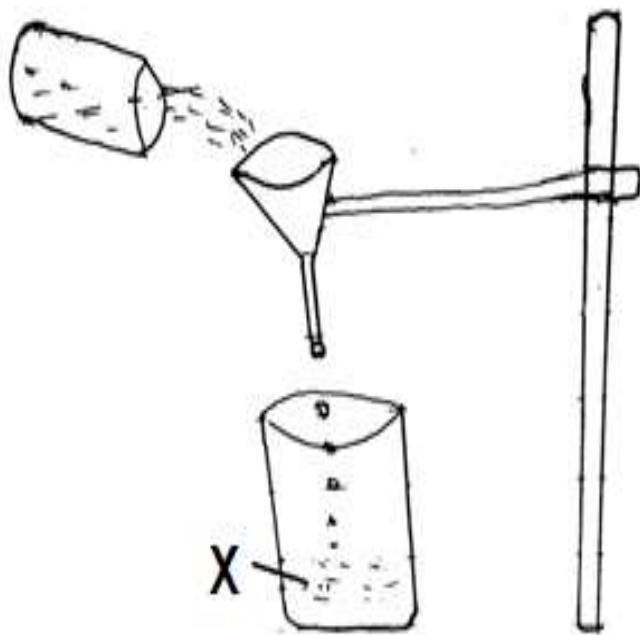
(a) Which immunisable disease was the child suffering from?

(b) Which vaccine could be used to protect the baby against the above disease?

(c) State any **one** way children can promote immunization.

(d) Name any **one** piece of information found in a child health card.

45- The diagram below shows a method of obtaining clean water. Use it to answer questions that follow.



(a) Name the method of obtaining clean water shown in the diagram above.

(b) What name is given to substance X?

(c) State **one** importance of the above method in our daily life.

(d) How can water obtained by the above method be made safe for drinking?

46- Why is light referred to as non-matter?

(b) In which state of matter does heat travel fastest?

(c) State the importance of a vacuum flask at home.

(d) Under what principle of heat does a vacuum flask work?



47- What special name is given to the muscles of the heart?

(b)How is the function of a tendon different from that of a ligament?

(c)Name any **two** disorders of the muscular system.

(i)_____

(ii)_____

48- Name the food value obtained from eating

(i)Honey_____

(ii) Pollen_____

(b)Which part of a worker bee helps it to carry pollen grains from the follower to the hive?

(c)How is the scent produced by flowers useful to them?

49- Which form of drug abuse leads to damage of one's liver and brain?

(b)Name any **two** sex deviations.

(c)State any **one** step schools should take to protect children against violence.



50- What is excretion?

(b) Give any **one** component of sweat.

(c) Why does blood go to the kidney before it circulates in the body?

(d) Name the pigment in the skin that determines its colour.

51- How is a scald different from a burn?

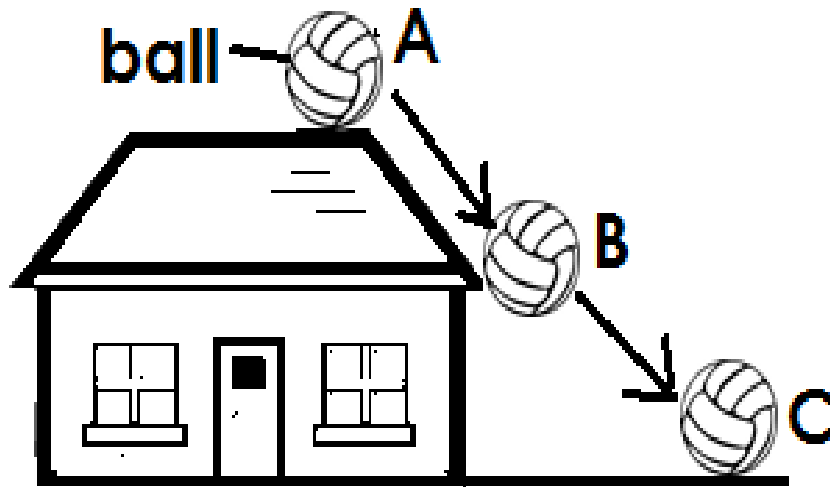
(b) Name any **two** ways of preventing burns and scalds at home.

(i) _____

(ii) _____

(c) What element of PHC saves the life casualties?

52- The diagram below is an illustration on how energy changes from one form to another. Use it to answer questions that follow.



(a) What type of energy is possessed by the ball at point **A**?

(b) State **two** forms of energy produced by the ball when it lands at point **C**.

(i) _____

(ii) _____

(c) Which natural force enables the ball to move from part **A** to point **C**?



53- What type of root system is found in;

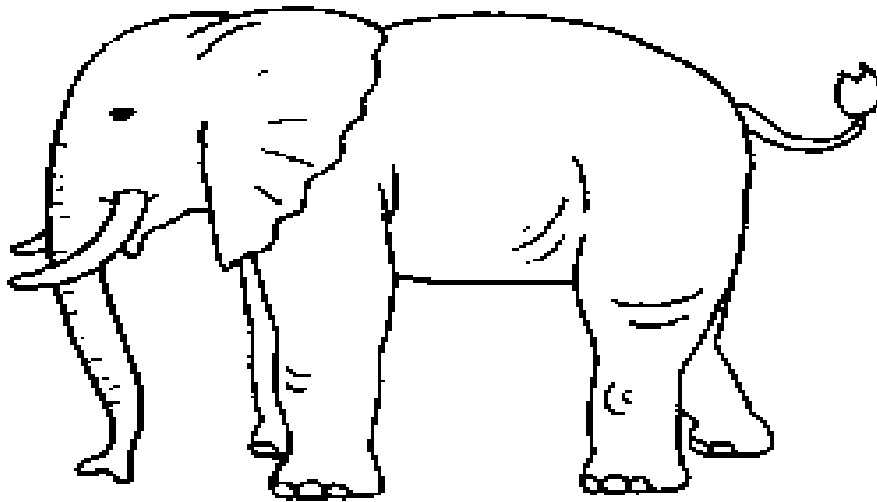
(i) Monocotyledonous plants _____

(ii) Dicotyledonous plants _____

(b) How do pests affect tuber crops?

(c) In which **one** way can farmers control pests in the garden?

54- Use the diagram below and answer questions that follow.



(a) To which group of mammals does the animal belong?

(b) How is the animal useful to people?

(c) Why is the above animal called herbivores?

(d) How is the regular flapping of the ears important to that animal during a hot weather?

55- Owor wanted to make ORS using 2 litres of boiled water.

(a) Name the quantity of salt and sugar that Owor should use.

(i) Salt _____

(ii) Sugar _____

(b) What condition in the body is treated using ORS?

(c) Why does salt disappear when mixed with water?

END

