



DIVINE EDUCATION CENTRE  
**PRE-REGISTRATION EXAMINATION**  
**2025**

**INTEGRATED SCIENCE SET 1**

***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		

## SECTION A: 40 MARKS

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

1- Give a reason why a chameleon changes colour.

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2- Mention one function of a ventilator in a living house.

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3- Opio accidentally poured hot water on his hand. What kind of injury did he get?

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4- How are earthworms useful in the soil?

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5- In which part of the female reproductive system does fertilization take place?

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6- Which physical change leads to the formation of vapour?

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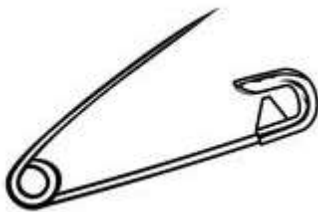
7- Name the garden tool for transplanting

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8- How can a P.6 pupil tell that a plant is a legume by looking at its roots?

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**The diagram below is a first aid material. Use it to answer question 9**



9- How is the material useful to a first aider?

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10- Which sense organ is found in the mouth?

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11- Name the part of a fish that keeps it buoyant in water.

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12- Give a reason why it is dangerous to make a person who has taken paraffin to vomit.

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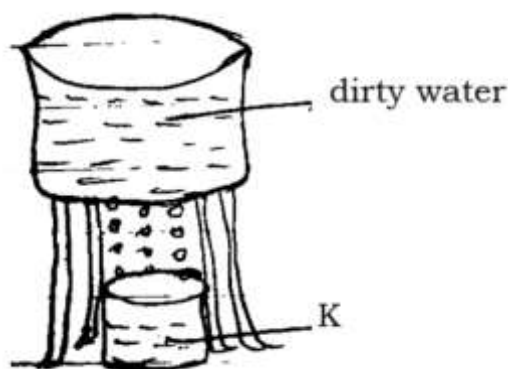
13- How are spiders able to trap their prey?

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14- Why should a stretcher be included on the list of requirements during games and sports activities?

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**The diagram below show a method of obtaining clean water. Use it to answer questions 15 and 16**



15- Why is water marked K not recommended for drinking?

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16- State one use of water obtained at K to people.

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17- Name one method of extracting honey.

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18- How do plants avoid crowding in any given place?

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19- State one danger of using fuels from petroleum.

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20- How are verandahs important in a living house?



21- By what process does aroma from the kitchen when frying meat reach pupils in classrooms?

22- How does debeaking prevent egg eating?

23- Name one method of family planning that prevents both pregnancy and AIDS.

24- Write one method of controlling mosquitoes at larva stage.

25- State the property of air used in filling balloons

26- Which instrument is used for measuring heat?

27- Mention any one example of a percussion musical instrument.

28- How useful is the instrument below to a dairy farmer?



29- Give the vitamin which is useful in keeping our eye sight normal.

30- Which element of PHC helps in the prevention of kwashiorkor?



31- How does a millipede protect itself?

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32- Give any one danger teenage pregnancy.

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33- Suggest one way of controlling the spread of cholera in the community.

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34- Which enzyme clots milk proteins in babies?

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35- How is the feeding of a tapeworm different from that of a hookworm?

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36- How is wind useful to plants?

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37- Mention the type of soil with the highest capillarity

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38- Why do some plants fold their leaves during dry season?

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39- State the main reason why farmers keep broilers.

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40- Why is it advisable to chew food properly before swallowing?

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## SECTION B: 60 MARKS

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

41- (a) Mention the accident caused by the following;

(i) Entry of water into the lungs.

(ii) Reduced supply of oxygen to the brain.

(b) Give two reasons for giving first aid to casualties.

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

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

42- (a) What is adolescence?

(b) State two secondary sex characteristics common in both boys and girls.

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

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

(c) Give one danger of having unprotected sex to adolescent girls.

**43- Use the table below to answer questions that follow.**

A	B	C
Chameleon	man	toad
tortoise	bat	salamander
snake	whale	newt
crocodile	rat	frog

(a) To which group of vertebrates do animals in B belong?

(b) How are animals in group A similar to those in group C in terms of reproduction?

(c) Give one characteristic common to animals in group A, B and C

(d) How is fertilization of animals in group B different from that of group C?



44- (a) How is hepatitis B spread among people?

(b) Which human body organ is affected by hepatitis B?

(c) Write any one sign of hepatitis B

(d) Give the vaccine given to babies to prevent hepatitis B

45- (a) Name the structure on a VIP latrine that;

(i) Traps houseflies till death \_\_\_\_\_

(ii) Takes out bad smelling air \_\_\_\_\_

(b) Why is a latrine constructed 30 metres away from a water source?

(c) Give any one way of preventing a bad smell in an ordinary pit latrine.

46- Which germ causes foot and mouth disease in animals?

(b)Mention any one way of preventing food and mouth disease.

(c)Name one requirement needed when starting a cattle farm.

(d)How are farm records important in cattle keeping?



47- In four sentences briefly describe the steps of making ORS locally.

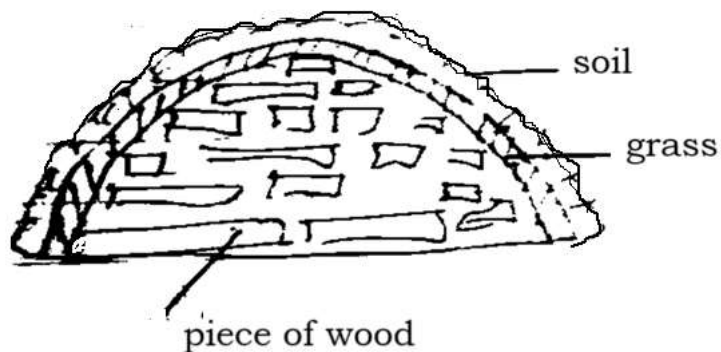
(i) \_\_\_\_\_

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

(iii) \_\_\_\_\_

(iv) \_\_\_\_\_

**48- Below is a man-made activity carried out by people who live near forests. Use it to answer questions that follow.**



(a) Which activity is being carried out above?

(b)Name the useful product obtained after the above activity.



(c) Why is soil used to cover the wood as it burns?

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(d) State one danger of the activity above to the environment.

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49- (a) Name any two examples of renewable resources in the environment apart from plants.

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

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

(b) Give any two human activities that are a threat to plants in the environment.

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

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



50- (a) Write STDS in full.

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(b) State any one STD caused by;

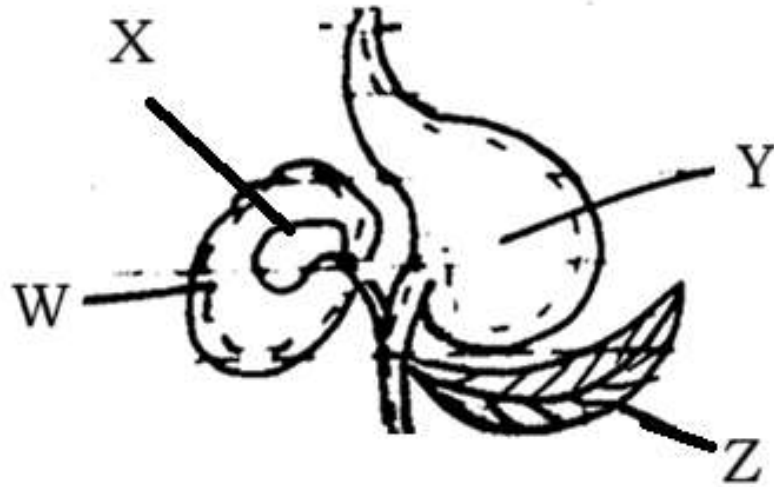
(i) bacteria \_\_\_\_\_

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

(c) Give a reason why couples are advised to go for treatment of STDS together.

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**51- The diagram below shows part of the human digestive system. Use it to answer the questions that follow.**



(a) Name the parts marked

(i) Y \_\_\_\_\_ (ii) W \_\_\_\_\_

(b) State any one function of the parts marked

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

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

52- (a) Give the function of the following components of blood

(i) Red blood cells

\_\_\_\_\_

(ii) Platelets

\_\_\_\_\_

(b) Of what importance is the heart in blood circulation?

\_\_\_\_\_

(c) Give a reason why blood goes to the kidney during circulation.

\_\_\_\_\_



53- (a) How are the following crops propagated?

(i) Sweet potatoes \_\_\_\_\_

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

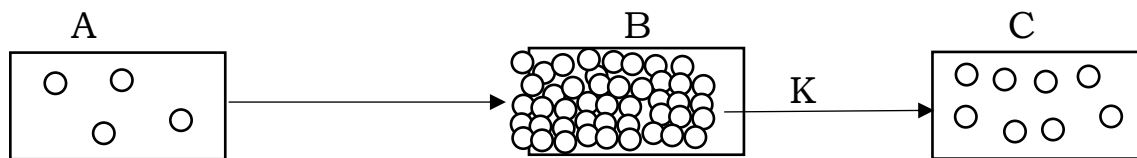
(b) Why are the above crops called tubers?

\_\_\_\_\_

(c) In which one way can root crop pests be controlled in the garden?

\_\_\_\_\_

**54- Study the diagram below and answer questions that follow.**



(a) Name the states of matter marked

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

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

(b) How does heat travel in A?

\_\_\_\_\_

(c) Name the process marked with letter K.

\_\_\_\_\_

55- Match the list of items in A with those in B correctly.

A

Respiration

Absorption of food

Absorption of air

Conception

B

air sacs

body cells

oviduct

ileum

Uterus

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

(ii) Absorption of food \_\_\_\_\_

(iii) Absorption of air \_\_\_\_\_

(iv) Conception \_\_\_\_\_



**END**