



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.

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

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

4- How are earthworms useful in the soil?

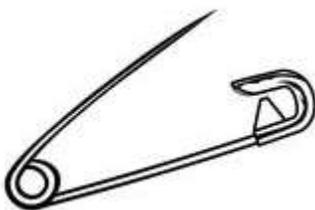
5- In which part of the female reproductive system does fertilization take place?

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

7- Name the garden tool for transplanting

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

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



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

10- Which sense organ is found in the mouth?



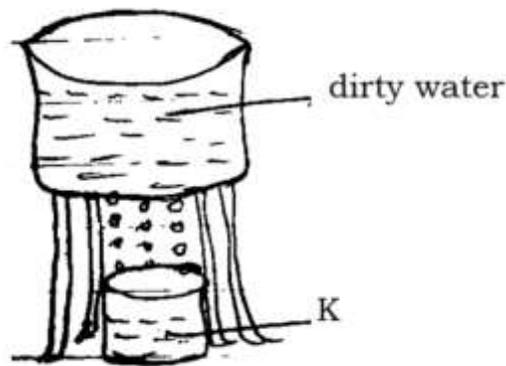
11- Name the part of a fish that keeps it buoyant in water.

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

13- How are spiders able to trap their prey?

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

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?

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

17- Name one method of extracting honey.

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

19- State one danger of using fuels from petroleum.

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?

32- Give any one danger teenage pregnancy.

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

34- Which enzyme clots milk proteins in babies?

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

36- How is wind useful to plants?

37- Mention the type of soil with the highest capillarity

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

39- State the main reason why farmers keep broilers.

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



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.

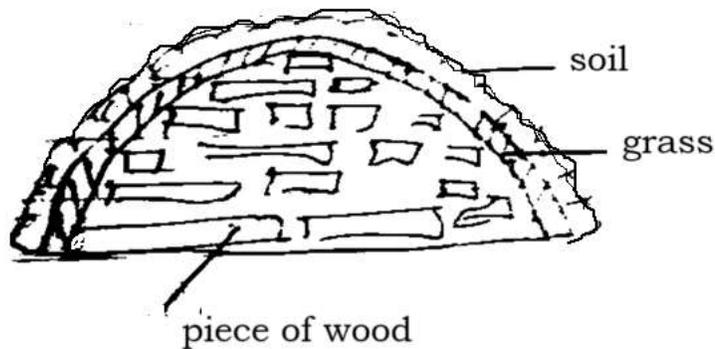
(d)How are farm records important in cattle keeping?



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?

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

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.

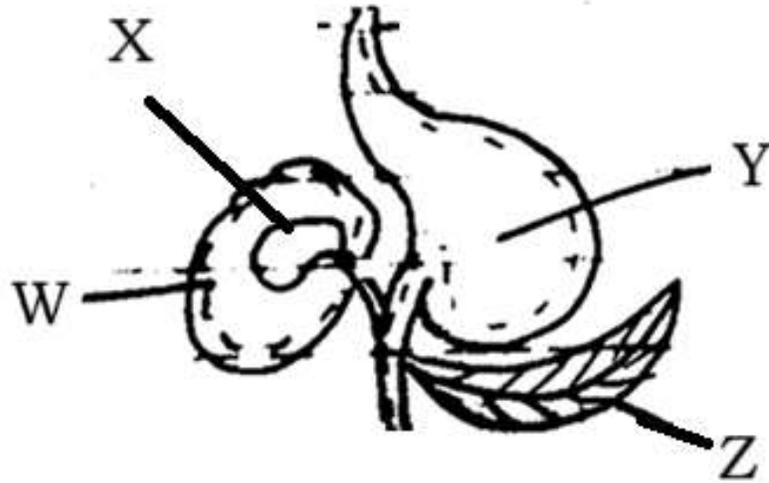
(b) State any one STD caused by;

(i) bacteria _____

(ii) virus _____

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

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?

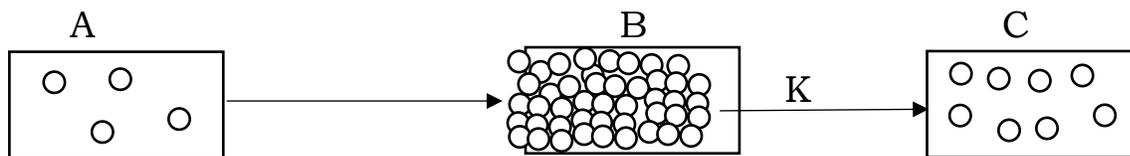
(i) Sweet potatoes _____

(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