



DIVINE EDUCATION CENTRE

**PRE-MOCK EXAMINATION**

**2025**

**INTEGRATED SCIENCE SET 2**

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

Random No.						Personal No.		

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

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

**District ID No.**

--	--	--	--

**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.

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		

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.

©2025 Divine Education Centre

**Turn Over**

## SECTION A: 40 MARKS

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

1. Name any one way in which fungi reproduce.

2. State any one danger of over cultivation in the environment.

3. Which intestinal worm enters the body by penetrating through the bare skin

4. How does the use of soap make washing of clothes easy?

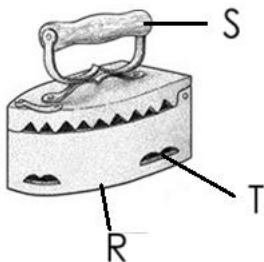
5. Why is silver not used for making utensils yet it is the best conductor of heat?

6. Which poisonous substance in tobacco causes lung cancer?

7. Give any one cause of indigestion

8. How do single fixed pulleys simplify work?

**Use the diagram below to answer questions 9, 10 and 11**



9. Why is part marked S made of wood?

10. State the function of part marked T



11. Which fuel is used in the above tool?

12. Name the energy resource from plant remains used in the conservation of the environment.

13. How is the keeping of bees helpful in prevention of marasmus?

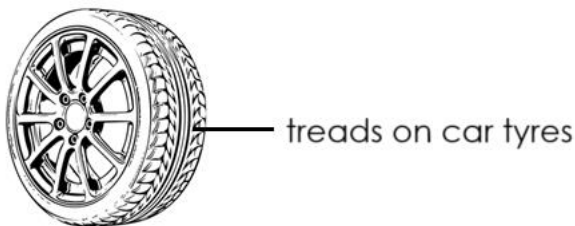
14. How are food stuffs like maize preserved?

15. Give any one item used in the prevention of covid 19

16. How are nurses able to know the next vaccine to be given to a baby?

17. Give any one factor that affects the speed of sound.

**Use the diagram below to answer question 18.**



18. How are the above treads important in car tyres?

19. What does change in the colour show about food?

20. Name any one part of the body where a hinge joint is found.



21. State any one advantage of pruning.

---

22. What component of blood is destroyed by AIDs?

---

23. How is separating funnel useful in our daily life?

---

24. How does leaching lead to soil exhaustion?

---

25. State the first type of teeth to develop in the mouth of a young child.

---

26. State what happens when ice is placed in hot water.

---

27. State any one effect of polio to the human body.

---

28. Give any one class of vertebrates that undergo internal fertilization.

---

29. How are draught cattle important?

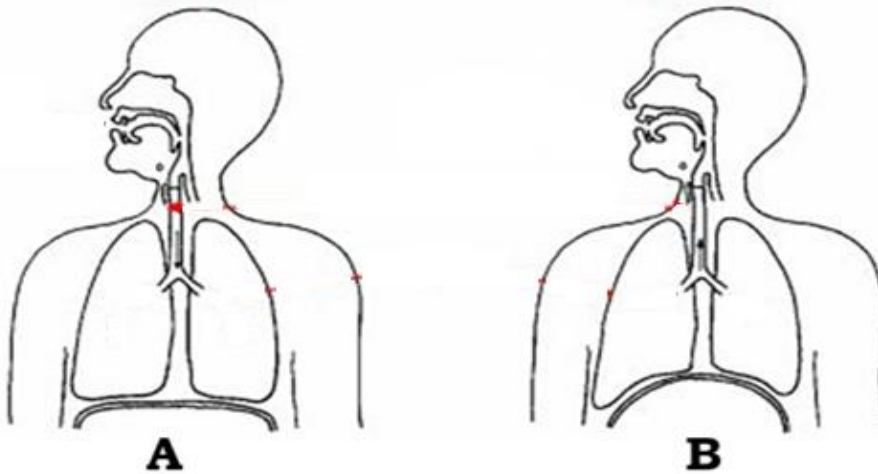
---

30. Why does water rise highest in clay soil than in sand soil?

---



**Use the diagram below to answer questions 31 and 32**



31. Name the type of breathing marked with letter A \_\_\_\_\_

32. letter B \_\_\_\_\_

33. How is the life cycle of a housefly different from that of a cockroach?

\_\_\_\_\_

34. How is the pinna useful in the process of hearing?

\_\_\_\_\_

35. Which deficiency disease is caused by lack of iron in a diet?

\_\_\_\_\_

36. How do carnivorous animals get energy from plants?

\_\_\_\_\_

37. How is a mango seed adapted to animal dispersal?

\_\_\_\_\_

38. Name any one sign of ear canker in rabbits.

\_\_\_\_\_

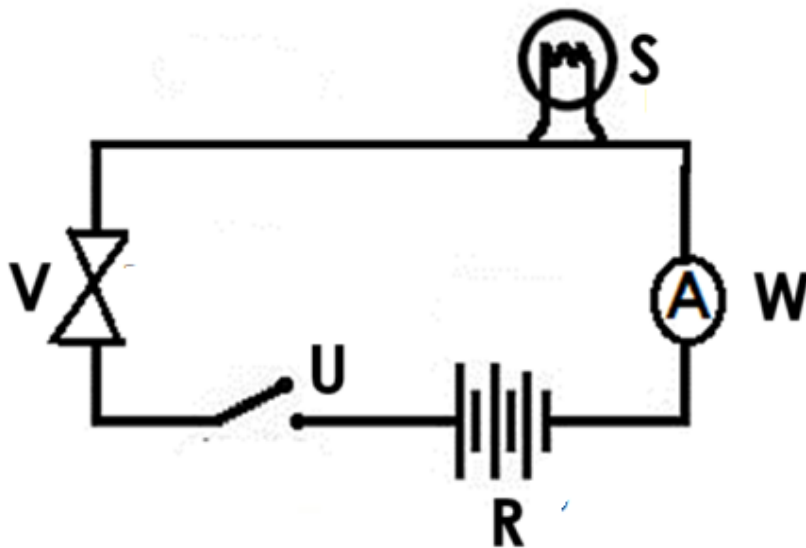
39. How is chlorophyll important during photosynthesis?

40. State any one way in which air exerts pressure is applied our daily life.



**SECTION B : 60 MARKS**

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



(a) Name the part marked W

(b) Give one way in which part marked V protect S

(c) Explain how a generator works? (2marks)

42. (a) Which method of soil formation involves the action of ice?

---

(b)How is mulching helpful in soil conservation?

---

(c)How is soil important to earth worms?

---

(d)Mention any one way in which people use sand soil.

---

43. Opio's body temperature was  $36.4^{\circ}\text{C}$  in the morning and rose to  $37.9^{\circ}\text{C}$  in the evening.

(a) State the difference in temperature of Opio. (2mks)

(b) What type of thermometer is used to measure Opio's body temperature?

---

(c) Give any one reason why water is not used in thermometers.

---



44. (a) State any one example of irregular objects

---

(b) Which method is used to find the volume of irregular objects?

---

(c) Give any one characteristic of sinking objects.

---

(d) How is mass different from weight in terms of unit?

---

---

45. (a) Name any two dairy breeds of cattle

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

(b) Mention any two ways of improving dairy breeds of cattle.

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

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

46. (a) Which immunisable disease affects the skin?

---

(b) Apart from the skin, name one other excretory organ.

---

(c) Name the outer layer of the skin.

---

(d) How does the human body regulate body temperature on a hot day?

---



47. Use the table below to answer questions that follow.

List A	List B	List C
ferns	pine	beans
horsetails	podo	maize
liverworts	cedar	groundnuts

(a) How do plants in list A reproduce?

---

(b) How are groundnuts harvested?

---

(c) How is reproduction in pines similar to beans?

---

(d) State any one example of a fungus that reproduces as plants in list A

---

48. (a) To what group of invertebrates do mosquitoes belong?

---

(b) Name any one non immunisable mosquito borne disease.

---

(c) State any two ways of controlling diseases spread by mosquitoes.

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

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

49. (a) How do muscles help in body movement?

---

(b) Name any two voluntary muscles.

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

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

(c) Write down any one disorder of muscles

---



50. (a) What are malnutritional diseases?

---

(b) State any two malnutritional diseases.

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

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

(c) In which one way can a family prevent malnutritional diseases?

---

**51. Use the diagram below to answer questions that follow.**



(a) Name any two ways in which the above crop is propagated.

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

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

(b) State any two other crops which are propagated in the same way as the crop shown above.

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

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

52. (a) Name any one non food product got from poultry.

---

(b) Which system of keeping poultry separates eggs from layers?

---

(c) State any one physical difference between a hen and a cock.

---

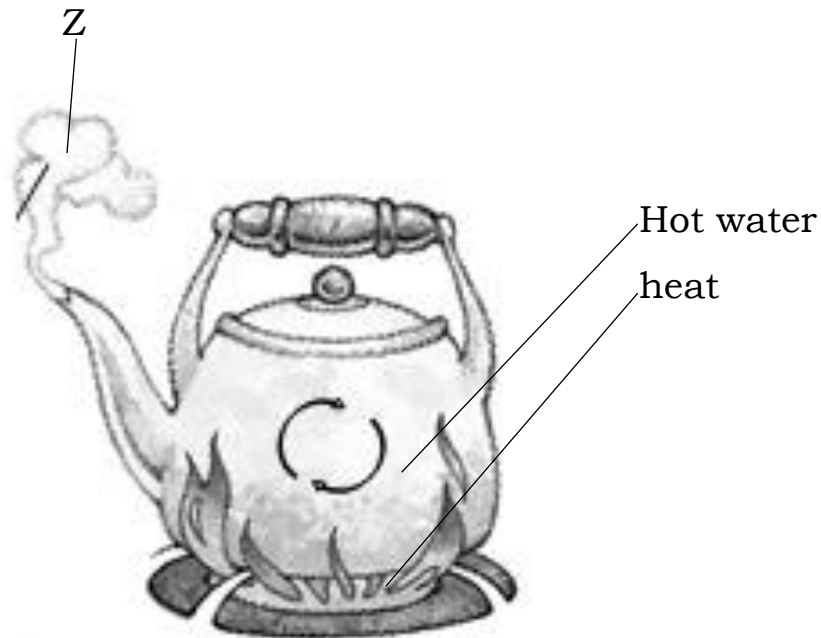
---

(d) Name any one poultry disease that does not affect rabbits.

---



**53. Use the diagram below to answer questions that follow.**



(a) Name the substance marked Z

\_\_\_\_\_

(b) In which state of matter is substance marked Z?

\_\_\_\_\_

(c) By what process is substance marked Z formed from water?

\_\_\_\_\_

(d) Name the method of heat transfer shown above.

\_\_\_\_\_

54. (a) Name any two principles of PHC

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

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

(b) Write down the element of PHC

(i) that involves the use of vaccines \_\_\_\_\_

(ii) that involves the use of contraceptive pills \_\_\_\_\_

55. (a) Mention any two signs that show that a baby is dehydrated

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

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

(b) In which two ways can dehydration be prevented among family members?

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

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



**END**