

# MEVID EXAMINATIONS BOARD

## MOCK PREPARATION SET TWO 2025

### INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Random No.						Personal No.		

Candidate's Name.....

Candidate's signature:.....

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

FOR EXAMINER'S USE ONLY

1. This paper has two sections: **A** and **B**.  
Section **A** has **40** questions and section **B** has **15** questions.
2. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
4. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks**.
5. Do not fill anything in the table indicated: **"for examiner's use only"** and boxes inside the question paper.

QN. NO.	MARK	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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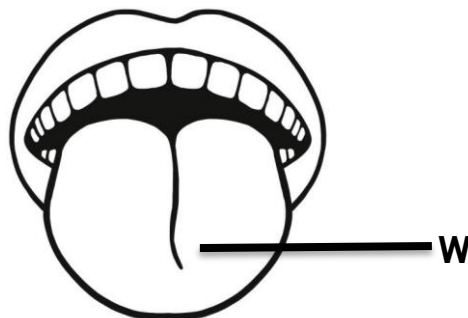
**TOTAL**

## SECTION: A 40 MARKS

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

1. Name the rare gas used in an electric bulb that protects the filament from burning.  
.....
2. State one way bacteria are important in the food chain.  
.....
3. Mention one reason why it is a good practice to chew food properly before swallowing.  
.....
4. State one way how nitrogen is important in the livestock farm.  
.....
5. Give any one reason why ash is added to the compost heap during production of organic manure.  
.....
6. State one reason why people cannot see clearly through oiled piece of paper.  
.....

The diagram below shows part of the human body. Study and use it to answer question **7** and **8** respectively.



7. State one way how part marked **W** is useful during food digestion.  
.....

8. Give any one way of keeping part labelled **W** in good working conditions in the human body.
- .....
9. State one way how keeping garden tools in a dry cool place protects them from rusting in a farm.
- .....
10. Write down any one reason why making physical exercise is important as a healthy lifestyle.
- .....
11. Identify the routine management practice that prevents piglets from injuring the teats of the sow during suckling.
- .....
12. Mention any one safety rule followed by pedestrians to reduce accidents on the road.
- .....
- 13 .State what happens to the mass of water when frozen.
- .....
14. Identify the group of flowering plants that develop fibrous root system.
- .....
15. Give any one way how guidance and counseling is an important service to HIV/AIDS patients in our community.
- .....
16. State one reason why faeces is not regarded as an excretory waste.
- .....
17. State the importance of foliage leaves to an onion plant.
- .....

18. Name any one condition necessary for burning to take place in our environment.

.....

19. State one reason why fungi are unable to make their own food.

.....

20. Mention any one way how '**air can be compressed**' is applied in our daily life.

.....

21. Identify one reason why wet wood is a good conductor of electricity.

.....

22. Mr.Odongkare was carrying a wooden box of load **30N** with the effort of **6N**.Calculate the mechanical advantage. (**1Mark**)

23. State one way how cortex is adapted to its function.

.....

24. Name the part of cassava plant that is attacked by mosaic disease.

.....

25. Identify any one weather instrument that is kept in a Stevenson screen.

.....

26. Write down any one reason why some seeds are dispersed by animals.

.....

27. State one way how imposing of quarantine helps to control spread of foot and mouth in cattle.

.....

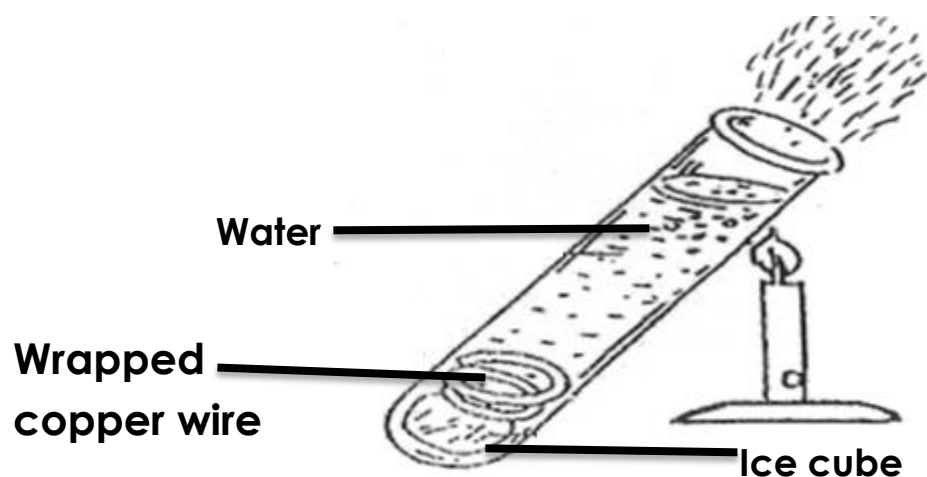
28. Give one importance of pulp cavity in the mammalian tooth.

.....

29. State the meaning of the word **earthing up** as applied in growing of tuber crops.

.....

**The diagram below shows an experiment done in Primary Five class at Disney Primary School. Study and use it to answer questions that follow.**



30. Identify the property of water that is being proved above by Primary five class.

.....

31. State one reason why the ice cubes are wrapped in a copper wire gauze before dipping in the glass tube.

.....

32. Give any one reason why butterflies lay their eggs beneath the leaves.

.....

33. Identify any one advantage of artificial vegetative propagation over seed propagation.

.....  
.....

34. State one reason why a fuse in the electric circuit is regarded as a safety device.

.....

35. Apart from merino sheep, name any one other breed of sheep kept for production of wool.

.....

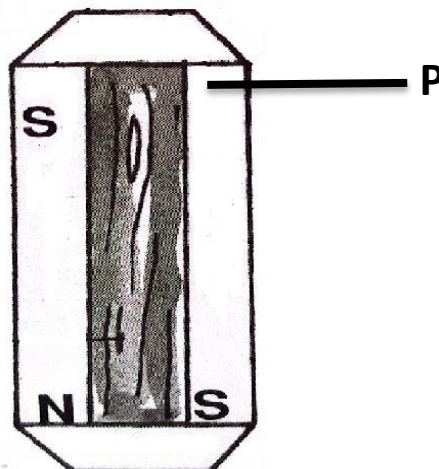
36. Identify any one mythical issue that is discouraging people from embracing family planning.

.....

37. State any one way of improving seed viability in the garden.

.....

**The diagram below shows an iron keeper. Study and use it to answer questions that follow.**



38. Name pole of the magnet labelled **P**.

.....

39. State one way how the device shown above keeps magnetism for a long time.

.....

40. State any one thing that happens to air when it enters in the nostrils.

.....

### SECTION B

41(a) State any one way how fever is different from convulsion.

.....

.....

(b) State one immediate effect of fever to a person suffering from malaria.

.....

(c) Write down any one reason why the following activities are done in management of fever and convulsion.

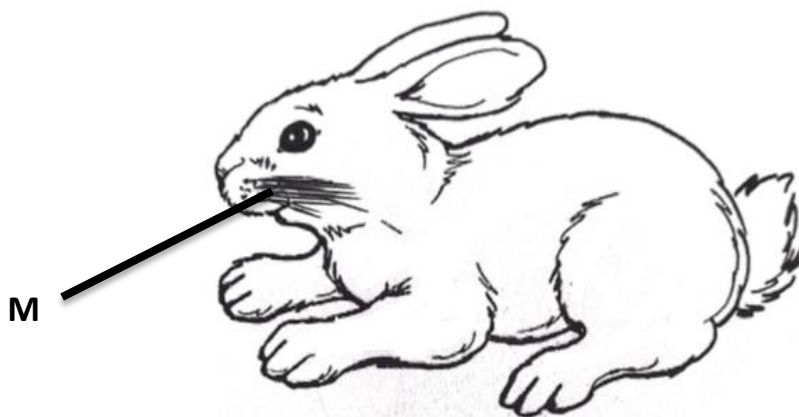
(i) Soaking a piece of cloth for tepid sponging in lukewarm water.

.....

(ii) Putting hard clean object in the mouth of a convulsing patient.

.....

42. The diagram below shows external parts of a rabbit. Study and use it to answer questions that follow.



(a) State the importance of part labelled **M** to a rabbit.

.....

(b) Give any one exotic breed of rabbit kept for the following purpose.

(i) Fur.....

(ii) Meat.....

(c) Write any one sign of a healthy rabbit on a farm.

43(a) State any one importance of echoes in the environment.

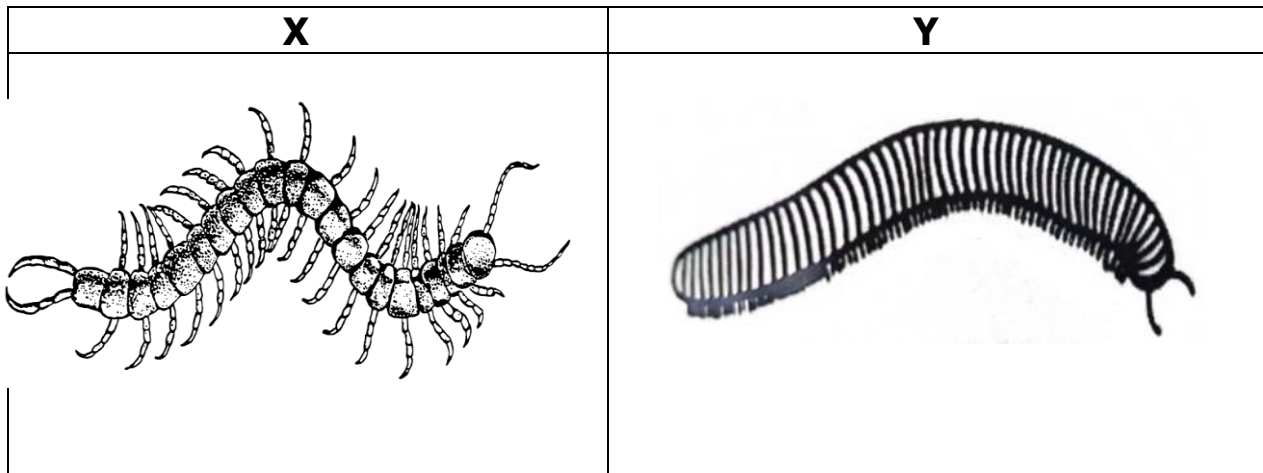
(b) Identify any one device used to store and reproduce stored sound in our environment.

(i) Store sound.....

(ii) Reproduce stored sound.....

(c) State one reason why echoes are not heard in a church full of congregation.

44. The diagram below shows a group of arthropods. Study and use them to answer questions that follow.



(a) To which group of arthropod do the organisms above belong?

(b) Identify the organism labelled **X** and **Y** as shown above.

i) **X**.....

ii) **Y**.....

(c) State any one way how the organisms above are important in our environment.



45(a) State the meaning of the word soil erosion.

.....  
.....

(b) Which type of soil erosion occurs in the following areas in our environment?

(i) Plain land.....

(ii) Hilly slope.....

(c) Apart from land terrain of an area, state any one other factor that influence soil erosion in an area.

.....

46(a) Apart from pressing method, identify any one other method of extracting honey from the combs.

.....

b) Jane is a known apiarist in her village, she has been provided with following materials, honey combs, warm water, a piece of clothes and a clean container.

Describe the steps Jane will follow when extracting honey from the honey combs using pressing method. **(3marks)**

(i).....

(ii).....

.....

(iii).....

.....

47. Crop farmer **A** and crop farmer **B** carryout the following crop growing practices in Purongo sub county in Nwoya District. Study and use the table below to answer questions that follow.

Farmer A			
Seasons	<b>1</b>	<b>2</b>	<b>3</b>
Crops planted	<b>Maize</b>	<b>wheat</b>	<b>Millet</b>

Farmer B			
Seasons	1	2	3
Crops planted	Millet	Beans	Simsim

(a) Identify the crop growing practices carried out by those two farmers as shown in tables above.

(i). Crop farmer **A**

.....

(ii) Crop farmer **B**

.....

(b) Write down any one factor considered by crop farmer **B** when selecting the crops to be grown in the garden seasonally.

.....

(c) State any one advantage of the crop growing practice carried out by crop farmer **B** in the garden.

.....

48(a) State one way how the following blood vessels are adapted to their functions in the body.

(i) Artery

.....

(ii) Vein

.....

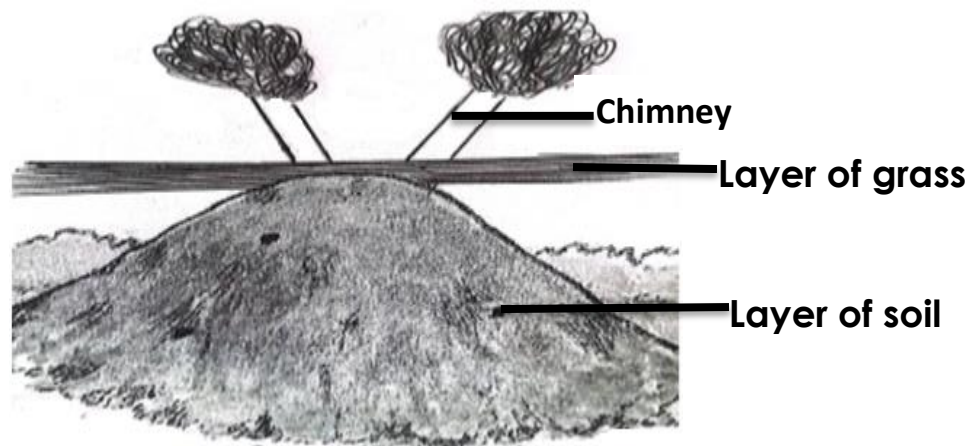
(b) Name any one material exchanged by capillaries in the body.

.....

(c) Write down any one similarity between an artery and the vein.

.....

49. The diagram below shows wood fuel processing furnace. Study and use it to answer questions that follow.



(a) Identify the wood fuel that is obtained from the local furnace shown above.

.....

(b) State one importance of the following materials in the local furnace shown above.

(i) Layer of soil.

.....

(ii) Layer of grass

.....

(c) Give any one advantage of using the wood fuel obtained from the local furnace above over firewood.

.....

50. ABC is an acronym used in the prevention and control of Sexually Transmitted Diseases (STDs) where A means Abstinence from sex until marriage, B means be faithful to your sexual partner and C means condom use.

(a) Which letter represents the method used by married couples to safe guards themselves against sexually transmitted diseases?

.....

(b) Apart from barmaids, name any one other group of people at a great risk of contracting Sexually transmitted diseases in our community.

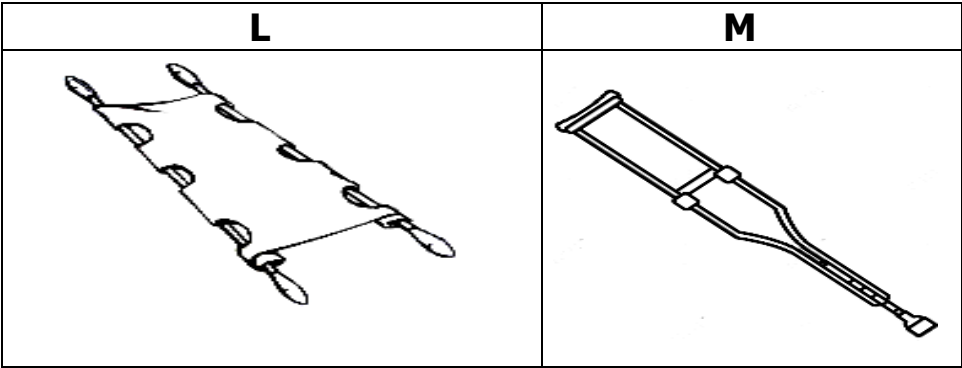
.....

(b) Give any two ways how HIV/AIDs affects families in our community.

(i) .....

(ii) .....

51.The diagram below shows equipment that are used in management of accidents. Study and used them to answer questions that follow.



- (a) Identify the equipment marked **L** and **M**.
- (i)L.....
- (ii)M.....
- (b) State one way how the use of equipment labelled **L** is different from that of **M** in the management of accidents.
- .....
- .....
- (c) Under which condition is giving first aid to a casualty unnecessary?
- .....
- .....
- 52(a) State the meaning of the word seasoning.
- .....
- .....
- (b) Give any one importance of seasoning.
- .....
- (c ) Which method of harvesting trees in agroforestry allows;
- (i) Growth of new shoots from the stump.
- .....
- (ii) Thicker growth of lower branches.
- .....

53. Match list **A** (resources) to List **B** (energy resources) correctly

**List A**

Resources

(i) Animals

(ii) Sun

(iii) Water

(iv) Plants

**List B**

Energy resources

wood fuel

tidal energy

animal energy

solar energy

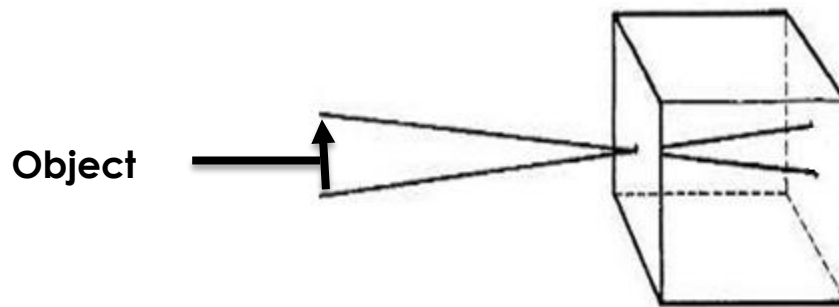
(i) Animals.....

(ii) Sun.....

(iii) Water.....

(iv) Plants.....

54. The diagram below shows the structure of a pinhole camera. Study and use it to answer questions that follow.



(a) On the diagram above, show the position of the image.

.....

(b) State one reason why images formed in a pinhole camera have the following features;

(i) Diminished

.....

(ii) Inverted

.....

(c) Under which principle does a pinhole camera work?

.....

55(a) State any two principles of primary health care.

(i).....

(ii).....

(b) State any one role of the following in promoting primary health care.

(i) An individual

.....

(ii) Family

.....