

# COMPETENCY BASED CURRICULUM EXAM

IONEER MARK  
SERIES

## GRADE SIX YEAR- 2025

### INTERGRATED SCIENCES

Name: \_\_\_\_\_

School: \_\_\_\_\_ ADM No. \_\_\_\_\_ Date: \_\_\_\_\_ 5

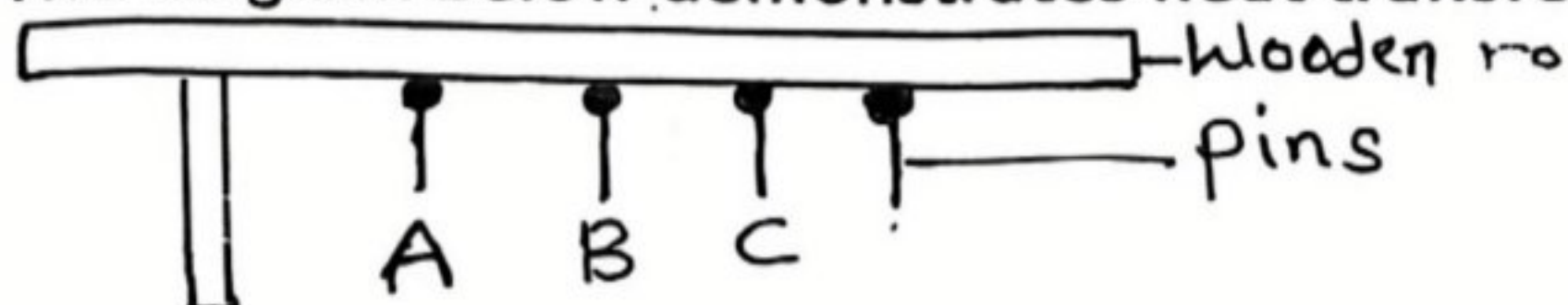
#### SCIENCE AND TECHNOLOGY

- The following are characteristics of plant as a living thing except?
  - They respond to change in the environment
  - They move from one place to another
  - They reproduce
  - They feed
- Eva ate rice and meat during lunch time. Meat was digested at which part of the body.
  - Mouth
  - Small intestine
  - Stomach
  - Large intestine
- The following are characteristics of different states of matter
  - Definite shape
  - Definite mass
  - Definite volume

Which pair of material given below has the above characteristics?

  - Tea and sugar
  - Sand and rice
  - Porridge and water
  - Smoke and vapour
- The following factors affects sinking and floating except?
  - Size
  - Shape
  - Weight
  - Density
- Some materials allow light to pass through. These materials are called
  - Opaque
  - Translucent
  - Mirror
  - Transparent

6. The diagram below demonstrates heat transfer.



Which was the first pin to fall

- D
  - A
  - None
  - C
- The following are characteristics of some clouds
    - Looks like layers
    - Resemble animal features like snake

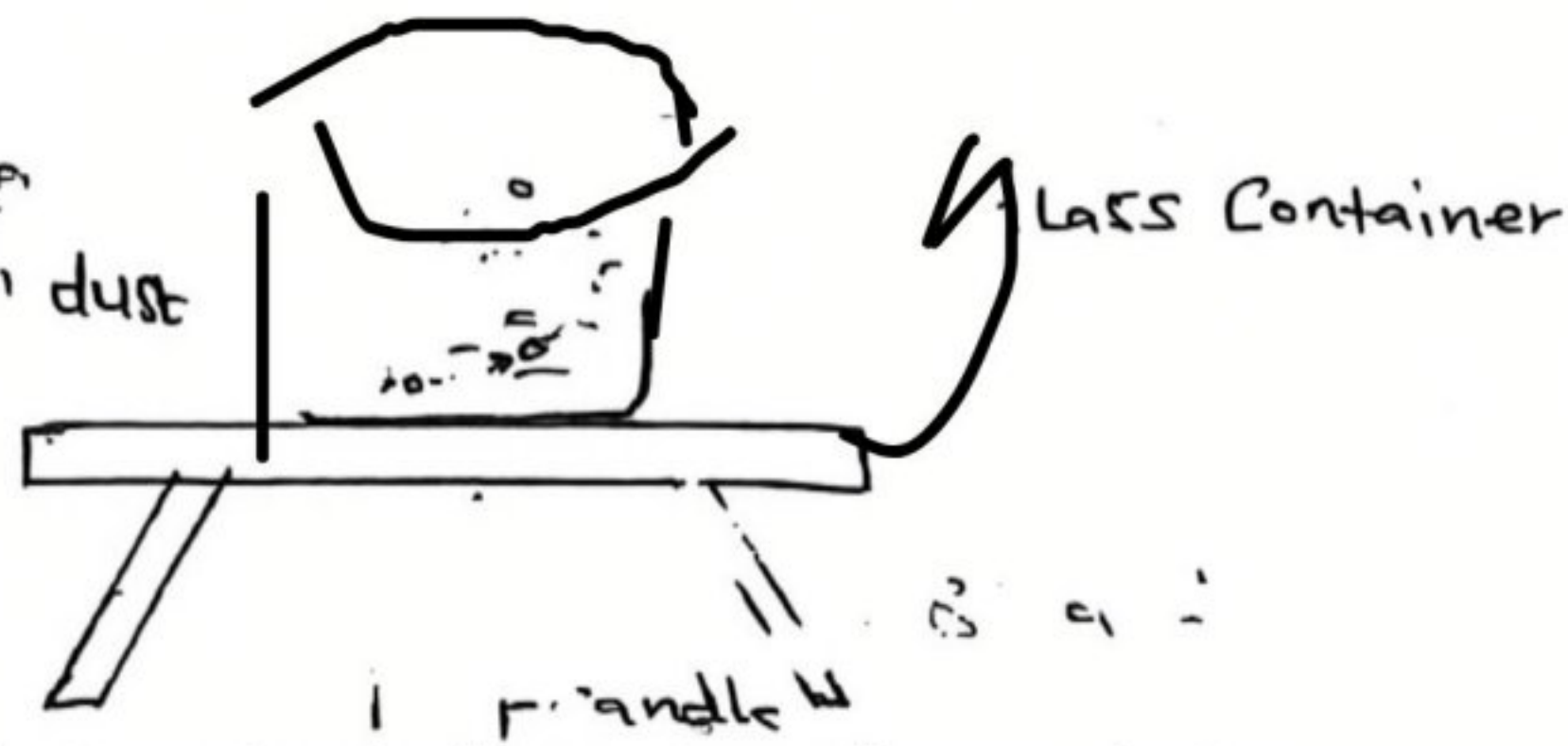
Which clouds are they?

    - Stratus clouds
    - Cumulus clouds
    - Cirrus clouds
    - Nimbus clouds
  - A grade six learner was warming herself near a fireplace. The heat reach her through \_\_\_\_\_ and \_\_\_\_\_
    - Conduction and convection
    - Convection only
    - Convection and radiation
    - Radiation and conduction
  - Which one of the following is not the main feature of a scratch?
    - Stage
    - Script
    - Backdrop
    - Sprites
  - The following are characteristics of certain group of animals.
    - Cold blooded animal
    - Body covered with dry scale.
    - Breath through the lungs
    - Lays the eggs

Which animal is it?

    - Snake
    - Fish
    - Frog
    - Shark

11. A teacher heated water in a glass container as shown below



What method of heat transfer was being investigated?

- A) Conduction in solids
  - B) Radiation in liquids
  - C) Conduction in liquids
  - D) Convection in liquids
12. Valves are present in \_\_\_\_\_ and \_\_\_\_\_
- A) Arteries and veins
  - B) Arteries and capillaries
  - C) Heart and veins
  - D) Veins and capillaries
13. Which of the following is not a function of roots?
- A) Photosynthesis
  - B) Anchorage
  - C) Absorption
  - D) Food storage
14. Pupils in grade 5 enclosed few leaves of a plant in a clear polythene paper. After one hour, what did they observe?
- A) Seedling
  - B) Photosynthesis
  - C) Transpiration
  - D) Water droplets
15. Which of the following animals belong to the same group?
- A) Cow and mosquito
  - B) Spider ticks
  - C) Snails and snakes
  - D) Insects and reptiles
16. The Grade 5 teacher advised learners not to eat the following fungi. What was the reason?



- A) Poisonous
- B) Avoid constipation
- C) It is important
- D) It is decaying

17. Urethra is a tube that is used for

- A) Produce sperms
  - B) Transfer sperms
  - C) Allow passage of sperms and urine
  - D) Produce seminal fluid
18. The following are types of muscles except?
- A) Cardiac muscles
  - B) Smooth muscles
  - C) Skeletal muscles
  - D) Skull muscles

19. Which of the following physical changes does not appear to both boys and girls?

- A) Menstruation flow
- B) Increase in weight and height
- C) Pimples may appear on the face
- D) Hair grows in armpits and pubic area

20. Reflected sound is called \_\_\_\_\_

- A) Reflection
- B) Echo
- C) Force
- D) Transmission

21. Which of the definitions below does not describe trachea?

- A) Has C shaped rings
- B) Controls breathing
- C) Has mucus and tiny hair
- D) Also called wind pipe

Use the diagram to answer questions 22-24



22. Which of the above vessels transport deoxygenated blood?

- A) R, Q
  - B) S, P
  - C) R, S
  - D) P, Q
23. Oxygenated blood flows from lungs to heart through the vessel \_\_\_\_\_
- A) P
  - B) Q
  - C) S
  - D) R

24. Name part T and W respectively.

- A) Right auricle and left ventricle
- B) Right ventricle and Right auricle
- C) Left auricle and Left ventricle
- D) Left ventricle and Right auricle

25. The different shapes of moon we see from earth over a month are called.

- A) Faces
- B) Gibbous
- C) Crescent
- D) Phases

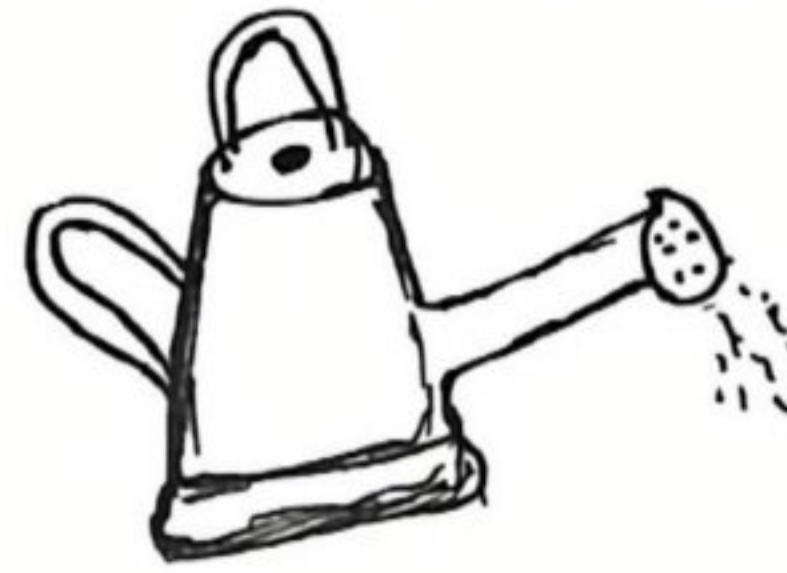
## AGRICULTURE AND NUTRITION

1. The following are methods of controlling soil erosion except?
  - A) Cover cropping
  - B) Building gabions
  - C) Mulching
  - D) Overgrazing
2. The following is a type of soil erosion which one is it?
  - A) Splash erosion
  - B) Rill erosion
  - C) Gully erosion
  - D) Sheet erosion



3. Mary a Grade 6 learner was reading on water conservation. The following are ways of conserving water except one. Which one is it?
  - A) Practicing mulching
  - B) Protecting the soil from direct sunlight.
  - C) Planting cover crops.
  - D) Removing excess branches.
4. Grade 6 learners collected soil from soil deposition sites. This process is known as.
  - A) Soil pollution
  - B) Soil recovery
  - C) Soil erosion
  - D) Soil Conservation
5. Which is the most suitable way of preventing birds from destroying crops in our farms?
  - A) Killing them
  - B) Poisoning them
  - C) Scaring them
  - D) Putting fence
6. \_\_\_\_\_ is the removal of unwanted plants from the farm.
  - A) Weeding
  - B) Pruning
  - C) Harvesting
  - D) Cover cropping
7. A \_\_\_\_\_ is constructed and put in the form to scare away small wild animals.
  - A) Feeding table
  - B) Thorny fence
  - C) Scare crow
  - D) Puppet

8. The farm equipment below is called.



- A) Shovel
  - B) Bucket
  - C) Watering can
  - D) pot
9. The equipment above is used for
  - A) Digging
  - B) Cooking
  - C) Watering plants
  - D) Storing cereals
10. When there is too much water on the soil surface, some of the water is not absorbed by the soil. The excess water flows on the ground surface is known as?
  - A) Water conservation
  - B) Soil conservation
  - C) Soil erosion
  - D) Run off
11. Study the compost pit and answer the questions



- Which materials are kept at the place named X.
- A) Ash
    - B) Soil
    - C) Maize stalks
    - D) Farmyard manure
  12. \_\_\_\_\_ are prepared by digging and making the garden lower than the surrounding land.
    - A) Shallow pit
    - B) Sunken seedbeds
    - C) Nursery beds
    - D) Upward seedbeds

\*13. Which of the following domestic animals gives us mohair and milk?

- A) Sheep
- B) Rabbit
- C) Cow
- D) Goat

14. Which one of the following activities is carried out on a nursery bed to prevent the seedlings from overcrowding and competition?

- A) Thinning
- B) Mulching
- C) Gapping
- D) Weeding

15. Grade 5 learners listed examples of climbing plants which one of the plants listed below is not correct?

- A) Passion fruit plant
- B) Grapes
- C) Black berries
- D) Guava

16. The following are types of fuels used at home. Which one is not?

- A) Charcoal
- B) Electricity
- C) Gas
- D) Water

17. The following is a stitch used in joining. Which is the correct one?

- A) Tacking and Hemming
- B) Backstitch and over sowing
- C) Chain stitch and loop stitch
- D) Backstitch and chainstitch

18. Three of following are hygiene practices while preserving and storing fruits and vegetables. Which one is not?

- A) Use clean storing equipment
- B) Wash hands using soap and water before handling fruits and subjects.
- C) Leave fruits and vegetables uncovered
- D) Clean fruits and vegetables using clean water

19. The following are among hygiene practices applicable when stewing. Which one is not?

- A) Cleaning the ingredients before cooking
- B) Using clean tools and utensils
- C) Using too much heat when cooking
- D) Cover the sufuria when cooking

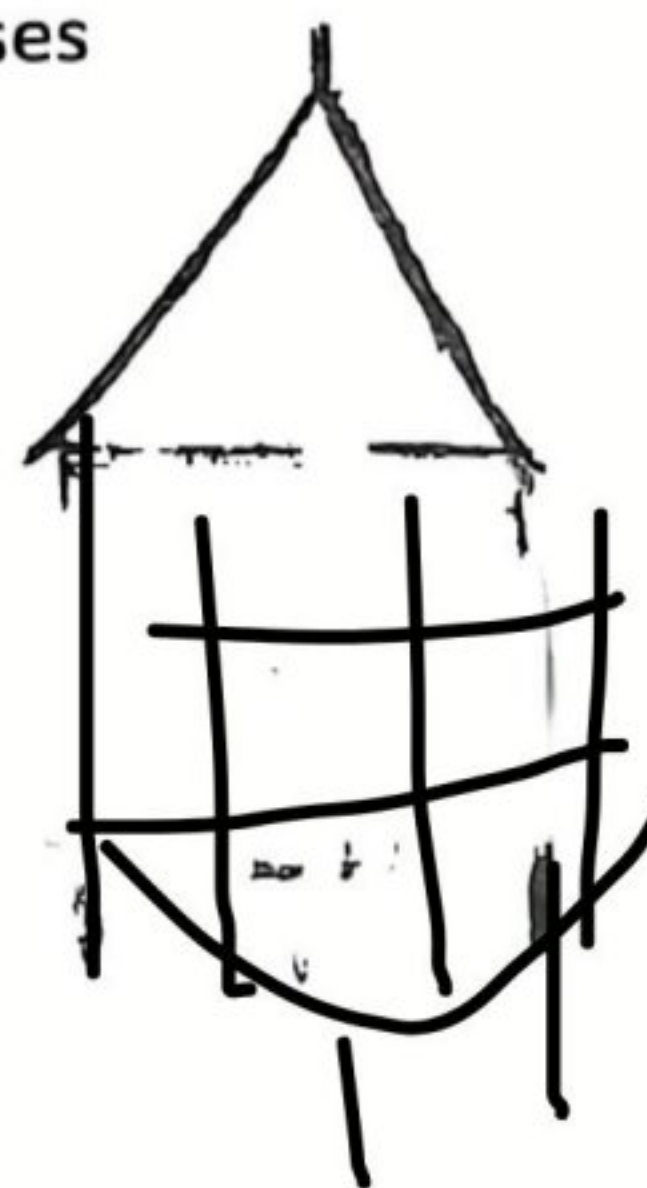
20. What is the importance of preserving fruits and vegetables?

- A) To make them soft
- B) To improve their taste
- C) To make them last longer
- D) To make them sweet

21. Which is the best method for cooking mandazi?

- A) Shallow frying
- B) Deep frying
- C) Boiling
- D) Roasting

22. Name the structured picture used to store cereals and pulses



- A) House
- B) Hutch
- C) Granary
- D) Hut

23. The following methods show the importance of special treatment on garments. Which one is not?

- A) Kills germs
- B) Whitens clothes
- C) Removes stubborn
- D) Makes them last longer

24. The stage of life between early childhood and adolescence is called?

- A) Puberty
- B) Adulthood
- C) Childhood
- D) Pre-teen

25. The following provides us with vitamins except?

- A) Kales
- B) Green bananas
- C) Tomatoes
- D) Oranges