## STD 7 END TERM 3 EXAM 2019

## **SCIENCE**

1. Which one of the following processes takes place during breathing out?

A. Lungs expand

B. Chest volume decreases.

C. Diaphram flattens.

D. Air enters the lungs.

Which of the following simple machines when in use the load is between the fulcrum and effort?

A. Wheelbarrow

B. Spade

C. Claw hammer

D. Craw bar

3. Which of the following vitamins help in healing of wounds?

A. Vitamin A

B. Vitamin D

C. Vitamin C

D. Vitamin B

4. Which one of the following changes during adolescence occurs in boys only?

A. Growth of pubic hair.

B. Increase in height and weight.

C. Appearance of pimples of the face.

D. Chest broadens.

Heat is useful in all of the following ways except it helps us to

A. see clearly

B. keep warm

C. cook

D. dry grains.

6. Which one of the following is not true about fibrous roots?

A. They hold and support the plant.

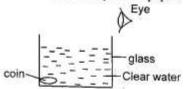
B. They have root hairs.

C. They are mainly found in legumes.

D. Found in monocot plants.

 The diagram below represents an experiment that was carried out by class 6 pupils.

Time: 1hr 40min



It is true to say that the coin will

A. appear smaller

B. appear raised due to reflection

C. not be visible

D. appear nearer to the surface of water

 Stems and leaves of a plant have one thing in common. It is that they

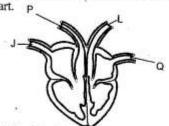
A. both transport food

B. make food in all plants

C. absorb water in plants

D. store food for some plants.

 The diagram below represents the human heart. p



Which of the following blood vessels carries oxgyenated blood to body parts?

A.L

B. J

C.P

D.Q

10. The following are functions of water in the body except

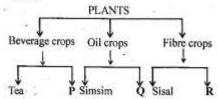
A. helps remove undigested food matter

B. cooling the body

C. prevent the skin from drying

D. making of blood.

11. The chart below represents classification of plants.



Which of the following would best fit at P,Q and R?

P A. Wheat

0 Sunflower

Legumes

B. Coffee C. Barley

Coconut Maize

Cotton Vegetables

D. Cocoa

Cashewnuts Fruits

12. Which of the following gases is used in making of light bulbs?

A. Oxygen

B. Carbondioxide

C. Inert gases

D. Nitrogen

- 13. Which of the following need not to be the same when testing capillarity in different soils?
  - A. Size of biropen tubes.
  - B. Amount of cotton wool.
  - C. Amount of different types of soil.
  - D. Amount of water.
- 14. Which of the following is not true about the digestive system?
  - A. Water and mineral salts are absorbed in the large intestine.
  - B. Digestion starts in the stomach.
  - C. The digestive juice produced in the liver digests oils and fats.
  - D. the pancrease and liver are not part of the
- 15. The following are factors that increase soil erosion except
  - A. mulching
  - B. human activities
  - C. type of soil
  - D. overgrazing.
- 16. Which of the following groups of food stuff constitutes a balanced diet?
  - A. Ugali, eggs, greengrams
  - B. Rice, peas, spinach
  - C. Chapati, yams, cabbage
  - D. Beans, ugali, potatoes

- 17. Which one of the following does not show interdependence between plants?
  - A. Grass growing under tall trees.
  - B. A pea plant supporting itself on a cedar tree.
  - C. A bee sucking nectar from plant to another.
- D. A lichen growing n the bark of neem tree. 18. Mr. Matara a fish monger at Chula beach was
- diagnosed with the following signs and symptoms.
  - (i) lack of appetite
  - (ii) headache
  - (iii) vomiting
  - (iv) fever and diarrhoea

Which of the following diseases was he likely suffering from?

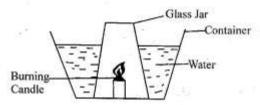
A. Tuberculosis

B. Malaria

C. Bilharzia

D. Typhoid

19. Std 6 pupils of the Kings school Nairobi set up the experiment below to investigate a certain component of air



Which of the following conclusion did they

- A. Candle went off after sometime.
- B. Water decreased in the container.
- C. Water increased in the glass jar.
- D. Part of air is used in combustion.
- 20. The best way to prevent the type of soil erosion with U-shaped valleys is by
  - A. planting trees
  - B. mulching
  - C. building porous dams
  - D. practising contour farming.
- 21. Cutting off infected parts of a plant and destroying them is a way of controlling pests in plants. It is known as

A. hand picking

B. trapping

C. pruning

D. weeding.

22. Crop pests have the following effects on crops except

- A. reduce the cost of production
- B. transmit diseases to consumers
- C. transmit diseases to crops
- D. lowers the yields

- 23. The following describes a certain component of the environment
  - (i) it is non living
  - (ii) all living organisms depend on it

(iii)it is found everywhere

The component described above is

A. air

B. plants

C. animals

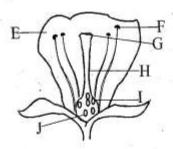
D. soil

- 24. The following are effects of drug abuse
  - (i) addiction
  - (ii) truancy
  - (iii) hallucination
  - (iv) accidents
  - (v) quarrels and fights

Which of the above are social effects?

- A. (i), (iii) and (iv)
- B. (v), (iv) and (ii)
- C. (iii), and (iv)
- D. (iii), (iv) and (v)
- 25. Vitamins and mineral salts for animals can be obtained from following except
  - A. sunflower seeds B. bone meal
  - C. fish meal
- D. salts licks.
- 26. The nutrients from the food we eat are transported from the digestive system to other parts of the body by
  - A. white blood cells
  - B. red blood cells
  - · C. platelets.
    - D. plasma.
- Non- conductors of electricity can not be used in making
  - A. handle of electric kettles
  - B. cooking sufuria
  - C. bulb sockets
  - D. electric switches.
- 28. Plants are useful in the following ways except
  - A, they are home of living organisms
  - B. useful for fencing
  - C. are sources of medicines
  - D. they are sources of light.
- 29. Which of the following is not true about planets?
  - A. Earth is the 5th planet.
  - B. Mercury is the smallest planet.
  - C. Mars and Jupiter are found at the centre.
  - D. Venus is the brightest of all planets.

- 30. Which one of the following pairs represent green-flowering plants?
  - A. Mushroom and puffball.
  - B. Cedar and cypress.
  - C. Cactus and grass.
  - D. Fern and algae.
- 31. Std 5 pupils were listing substances with definite shape and mass. Who listed wrongly?
  - A. Nkirote water, smoke, oxygen.
  - B. Tumaini seeds, wood, coin.
  - C. Hope air, sand, soil.
  - D. Wauto plastic, stone, petrol
- 32. Amphibians and birds have one thing in common in that they
  - A. lay eggs
  - B. have scales on their body
  - C. have no backbone
  - D. have constant body temperature
- 33. Which of the parts of a flower labelled below shows the male and female cells of a plant?



- A. F and I
- B. F and J
- C. G and F
- D. G and H
- 34. Use of ashes as a method of food preservation can be used to preserve
  - A. meat and fruits
  - B. maize and potato tubers
  - C. tea leaves and beans
  - D. milk and vegetables.
- 35. Giving liquid medicine through the mouth of an animal is known as
  - A. drenching
  - B. dosing
  - C. dipping
  - D. deworming.

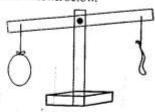
- Which one of the following components of air makes up approximate 22%?
  - A. Oxygen and nitrogen
  - B. Rare gases and oxygen
  - C. Nitrogen and carbondioxide
  - D. Carbondioxide and oxygen
- 37. Which of the following parasites is correctly. matched with the method of its control?

	Pests	Method of control
A	licks	Deworming
B,	Tsetsefly	Retational grazing
C.	Liverfluke	Spraying
D,	Tapeworm	Dipping

- 38. The soil with the smallest particles will also
  - A. retain a lot of water
  - B. have the best drainage
  - C. be found in the river bed
  - D. have the poorest capillarity
- The diagram below shows



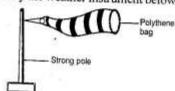
- A. weighing balance
- B. beam balance
- C. standard weight
  - D. spring balance
- The following are signs and symptoms of anaemia except
  - A. breathlessness
  - B. paleness of skin
  - C. poorly developed bones
  - D. dizziness after doing simple work.
- 41. Std 5 pupils placed two baloons on a beam balance as shown below.



The pupils concluded that

- A. air occupies space
- B. air has mass
- C. gases have definite shape
- D. gases have equal volume.
- 42. When spraying crops, it is advisable to wear the following protective clothing except
  - A. ear muffs C. overall
- B. gloves D. gumboots.
- 43. Which substance in eigarette causes the urge to keep taking the cigarette?
- B. Nicotine
- C. C. in monoxide D. Ethanol

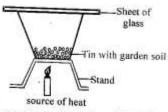
- 44. Animals required a balanced diet for all of the following reasons except
  - A. for protection against diseases
  - B. for proper growth
  - C. for maximum production
  - D. for protection against parasites.
- 45. Which of the following crops are sources of oil?
  - A. Groundnuts and peas.
  - B. Sunflower and simsims.
  - C. Corn and Fish.
  - D. Soyabeans and sorghum.
- 46. A child with sores at the corners of the mouth and develops brownish thin hair is likely to be lacking
  - A. vitamins
- B. proteins
- C. carbohydrates
- D. mineral salts
- 47. A std 5 boy at Wote Academy took a jam tin and placed it upside down. He took a stone and dropped it on the tin from different heights. Which aspect of sound was the boy investigating?
  - Sources of soft and lound sound.
  - B. Lound and soft sound.
  - C. Effects of sound.
  - D. Sound pollution
- Study the weather instrument below.



The instrument could not work because of

- A. using a strong pole
- B. painting the sock black and white

- C. placing the ends of the sock wrongly D. using polythene material for the sock. Which of the following pairs of materials are both non-magnetic?
  - A. Cobalt and tin.
  - B. Steel and iron.
  - C. Copper and aluminium.
  - D. Zinc and Cobalt.
- 50. The diagram below represents a set up that can be used to investigate a certain component



The component being investigated is

- A. air
- B. water
- C. humus

D. living things.