

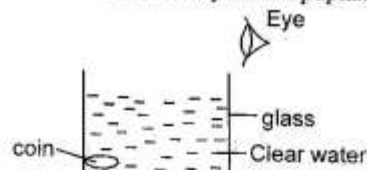
STD 7 END TERM 3 EXAM 2019

SCIENCE

Time: 1hr 40min

- Which one of the following processes takes place during breathing out?
 - Lungs expand
 - Chest volume decreases.
 - Diaphragm flattens.
 - Air enters the lungs.
- Which of the following simple machines when in use the load is between the fulcrum and effort?
 - Wheelbarrow
 - Spade
 - Claw hammer
 - Crow bar
- Which of the following vitamins help in healing of wounds?
 - Vitamin A
 - Vitamin D
 - Vitamin C
 - Vitamin B
- Which one of the following changes during adolescence occurs in boys **only**?
 - Growth of pubic hair.
 - Increase in height and weight.
 - Appearance of pimples of the face.
 - Chest broadens.
- Heat is useful in all of the following ways **except** it helps us to
 - see clearly
 - keep warm
 - cook
 - dry grains.
- Which one of the following is **not** true about fibrous roots?
 - They hold and support the plant.
 - They have root hairs.
 - They are mainly found in legumes.
 - Found in monocot plants.

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



It is **true** to say that the coin will

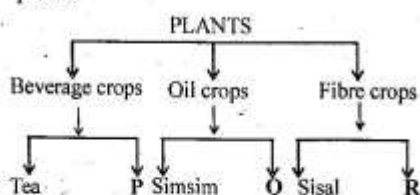
- appear smaller
 - appear raised due to reflection
 - not be visible
 - appear nearer to the surface of water
- Stems and leaves of a plant have one thing in common. It is that they
 - both transport food
 - make food in all plants
 - absorb water in plants
 - store food for some plants.
 - The diagram below represents the human heart.



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

- L
 - J
 - P
 - Q
- The following are functions of water in the body **except**
 - helps remove undigested food matter
 - cooling the body
 - prevent the skin from drying
 - making of blood.

11. The chart below represents classification of plants.



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

- | P | Q | R |
|-----------|------------|------------|
| A. Wheat | Sunflower | Legumes |
| B. Coffee | Coconut | Cotton |
| C. Barley | Maize | Vegetables |
| D. Cocoa | Cashewnuts | Fruits |
12. Which of the following gases is used in making of light bulbs?
 A. Oxygen
 B. Carbon dioxide
 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 biröpen 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 pancreas and liver are not part of the gut.
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. Matarara a fish monger at Chula beach was diagnosed with the following signs and symptoms.

(i) *lack of appetite*

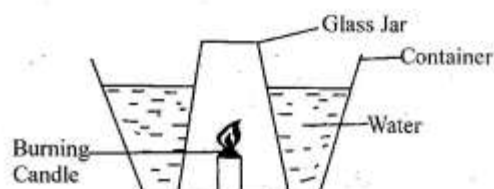
(ii) *headache*

(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 make?

- 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

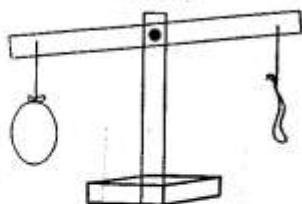
36. Which one of the following components of air makes up approximate 22%?
 A. Oxygen and nitrogen
 B. Rare gases and oxygen
 C. Nitrogen and carbon dioxide
 D. Carbon dioxide and oxygen
37. Which of the following parasites is **correctly** matched with the method of its control?

	Pests	Method of control
A.	Ticks	Deworming
B.	Tsetsefly	Rotational 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
39. The diagram below shows



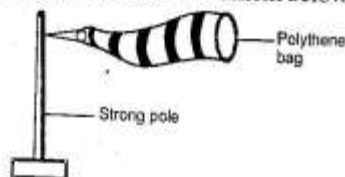
- A. weighing balance B. beam balance
 C. standard weight D. spring balance
40. The following are signs and symptoms of anaemia **except**
 A. breathlessness
 B. paleness of skin
 C. poorly developed bones
 D. dizziness after doing simple work.
41. Std 5 pupils placed two balloons on a beam balance as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



The pupils concluded that
 A. air occupies space
 B. air has mass
 C. gases have definite shape
 D. gases have equal volume.

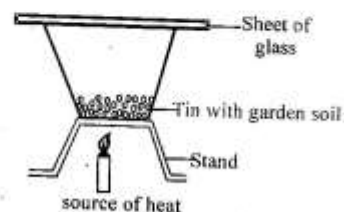
42. When spraying crops, it is advisable to wear the following protective clothing **except**
 A. ear muffs B. gloves
 C. overall D. gumboots.
43. Which substance in cigarette causes the urge to keep taking the cigarette?
 A. Carbon monoxide B. Nicotine
 C. Carbon dioxide D. Ethanol

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 simsimis.
 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?
 A. Sources of soft and loud sound.
 B. Loud and soft sound.
 C. Effects of sound.
 D. Sound pollution
48. 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.
49. 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 of soil.



The component being investigated is
 A. air B. water
 C. humus D. living things.