



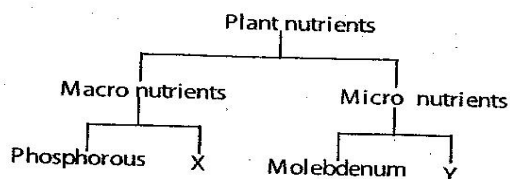
SIAYA COUNTY

- ▶ **MATHEMATICS**
- ▶ **ENGLISH LANGUAGE**
- ▶ **ENGLISH COMPOSITION**
- ▶ **KISWAHILI LUGHA**
- ▶ **KISWAHILI INSHA**
- ▶ **SCIENCE**
- ▶ **SOCIAL STUDIES/C.R.E**

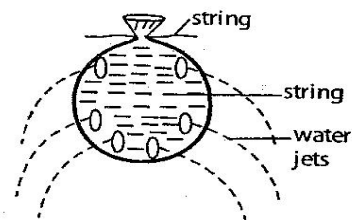
SCIENCE

1. Which of the pest below is not matched with the part it affects?
 - A. Moth → seeds
 - B. Cutworm → stem
 - C. Aphid → roots
 - D. stalkborer → stem
2. The main reason why we sweat is to?
 - A. Remove carbon dioxide.
 - B. Cool our body.
 - C. Reduce water in our body.
 - D. Excrete.
3. The food chain below was in an ecosystem;
Grass → Grasshopper → Frogs → Seagull
 Which of the following is likely to happen immediately when frogs die?
 - A. Seagull will increase.
 - B. Grass will decrease.
 - C. Seagull would decrease.
 - D. Grasshopper would decrease.
4. The following are effects of animal parasites. Which sign may be in both external and internal parasites?
 - A. Block of intestines.
 - B. Rough coat.
 - C. Anaemia.
 - D. Irritation.
5. During breathing system which one of the following may not take place when one breath out?
 - A. volume of the chest increase.
 - B. diaphragm relaxes.
 - C. Ribs move up.
 - D. Lungs contract.
6. The stage of development after fertilization and implantation on the uterine wall is;
 - A. infant
 - B. foetus
 - C. embryo
 - D. zygote.

Use the diagram below to answer the question.

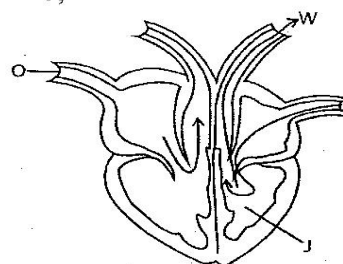


7. Which two nutrients may fit the letters X and Y respectively?
 - A. Phosphorous and potassium.
 - B. Nitrogen and Baron.
 - C. Zinc and Calcium.
 - D. Copper and Iron.
8. Std. 4 pupil carried out an experiment to investigate certain aspects of pressure in liquid



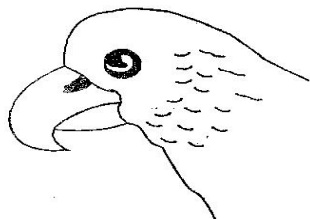
What conclusion could not be made from the set-up?

- A. Air exert pressure in all directions.
 - B. Pressure in liquid is equal at the same depth
 - C. Liquid exert pressure in all direction
 - D. Pressure in liquid increases with depth.
9. Which of the following is the correct name of the device we fit on our ears when working in noisy factories?
 - A. Ear buds.
 - B. Ear rings.
 - C. Ear muffs.
 - D. Ear drum.
 10. Which one of the following is *not* a communicable disease?
 - A. Cholera.
 - B. T.B.
 - C. Whooping cough.
 - D. Anaemia.
 11. In the diagram below, name the part labelled W, O and J;



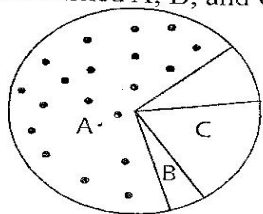
- A. Venacava, valve, left auricle
 - B. Aorta, venacava left ventricle
 - C. Pulmonary artery, right ventricle, valve
 - D. Aorta, valve, right ventricle.
12. The following are some physical changes that takes place during adolescence;
 - (i) hips becomes broader
 - (ii) chest and shoulders become broader
 - (iii) pimples may appear on the face
 - (iv) pubic hair grow
 Which of the changes takes place in boys only?
 - A. (ii), (iii), (v)
 - B. (ii), (iv), (v)
 - C. (i), (iii), (iv)
 - D. (i), (ii), (v)
 13. Which one of the following is not a method of controlling parasites;
 - A. spraying
 - B. deworming
 - C. dipping
 - D. feeding animal with

14. The diagram below shows a beak of a certain bird



This type of beak belong to which group of birds?

- A. Nut cracking birds. B. Grain eating birds.
C. Insect eating birds. D. Flesh eating birds.
15. The easiest way of removing temporary hardness in water is,
A. filtering B. using chlorine
C. distilling the water D. boiling the water
16. The bending of light as it moves from one media to the other is known as;
A. Bouncing of light B. dispersion
C. refraction of light D. reflection of light
17. Which one of the following will not help in controlling soil erosion?
A. Digging across the contours.
B. Applying mulch.
C. Planting cover crops.
D. Planting more trees.
18. Which one of the following is not a water pollutant?
A. Aerosols.
B. Industrial effluent.
C. Raw sewage.
D. Oil sprayed on water surfaces.
19. When the arrow head of the windvane points to the south
A. The wind blowing from North
B. The wind is blowing from East
C. The wind is blowing from the East
D. The wind is blowing from the south
20. The pie chart below shows the composition of air. The part marked A, B, and C represents



- A. Hydrogen, rare gases, oxygen
B. Hydrogen, carbon dioxide, rare gases
C. Nitrogen, carbon dioxide, rare gases
D. Nitrogen, carbon dioxide, oxygen

21. Jane cut green plants and stored them to feed her animals after two weeks. Which type of animal feed was she preparing?

A. Silage. B. Pasture.
C. Fodder crops. D. Concentrates.

22. A standard three pupil from Mange D. E. B. Primary school had the following signs and symptoms

(i) *pain in the joints*

(ii) *fever*

(iii) *vomiting*

(iv) *shivering and sweating*

It is possible that the child was likely to suffer from,

A. Typhoid B. T.B
C. Malaria D. Measles

23. Which of the following liquids are miscible.

A. water and spirit
B. water and paraffin
C. oil and water
D. kerosine and spirit

24. Which one of the following is not true about friction?

A. stop a fast moving car
B. ride a bicycle quickly
C. lift a bottle from a crate of soda
D. light a match stick

25. Which of the following animals parasites cannot be controlled by rotational grazing?

A. Ticks. B. Tapeworms.
C. Liver flukes. D. Tse-tse fly.

26. During the process of parturition, the following takes place

(i) *the amniotic bag bursts allowing the amniotic fluid to flow out*

(ii) *the contraction of the uterus muscles pushes the baby*

(iii) *the cervix dilates*

(iv) *the labour pains become faster and stronger*

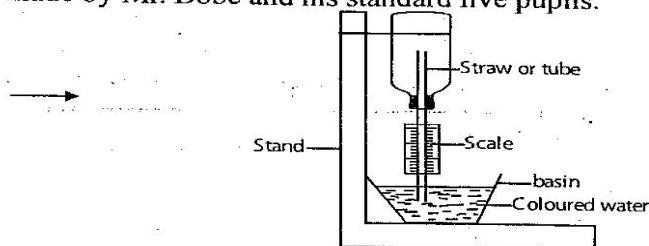
Arrange the processes in order according to how they took place starting from the first to the last

A. (iii), (i), (iv), (ii)
B. (iv), (iii), (ii), (i)
C. (i), (iv), (iii), (ii)
D. (iv), (iii), (i), (ii)

27. Which one of the following pairs of levers is the arrangement of the positions of load, fulcrum, and effort the same?

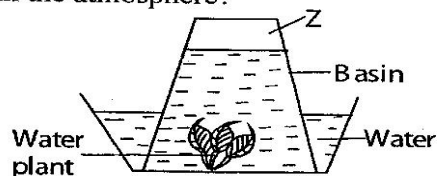
A. Human foot and Human arm.
B. Fishing rod and coal tongs.
C. Pair of scissors and nut cracker.
D. Crowbar and wheel barrow.

28. Below is an illustration of a weather instrument made by Mr. Bobe and his standard five pupils.



Which of the following principles behind working is incorrect?

- A. The scale reads from top to bottom
 - B. When the temperature is low the level of water in the straw rises
 - C. When the temperature is high the level of water in the straw comes down.
 - D. When the temperature is high the level of water in the basin drops.
29. The function of nectar in a flower is to;
- A. provide food for petals
 - B. provide food for the fruit which will grow
 - C. attract insects for pollination
 - D. give the flower a sweet smell.
30. The diagram below shows a set up in an experiment to investigate a certain property of air. The experiment was set up at night and left for 3 hours. Bubbles of air were observed. What is the percentage composition of the gas 'Z' in the atmosphere?



- A. 0.03%
 - B. 1%
 - C. 21%
 - D. 78%
31. Which one of the following shows the correct order of changing state of matter?
- A. Solid → Liquid → Gas
 - B. Solid → Gases → Liquid
 - C. Liquid → Solid → Gas
 - D. Gas → Liquid → Solid
32. Some drugs have been prohibited in our country. Which one of the following drugs has not been prohibited?
- A. Tobacco.
 - B. Bhang.
 - C. Mandrax.
 - D. Cocaine.
33. Which one of the following factors does not affect sinking and floating of an object in water?
- A. Size.
 - B. Material
 - C. Density.
 - D. Shape.

34. Which of the following body parts is correctly matched with its function

- A. Heart -pumping blood to parts of the body.
- B. Oviduct -producing sperms
- C. Lungs -absorbing carbon dioxide
- D. Ileum -absorbing undigested food

35. The following activities are carried out when separating a mixture of salt, iron filings and sand.

(i) *filtering*

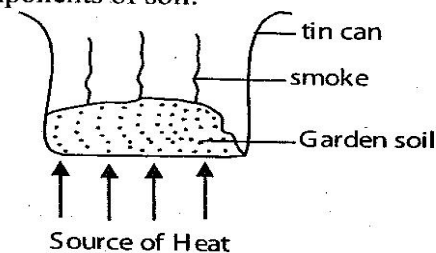
(ii) *dissolving the mixture*

(iii) *evaporation*

(iv) *pass the magnet through the mixture*

Which is the correct order?

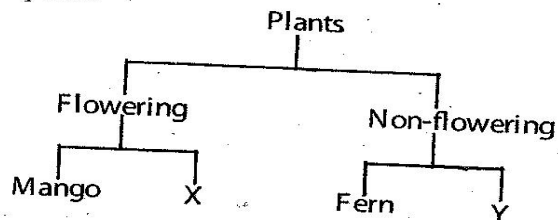
- A. (iv), (ii), (i), (iii)
 - B. (ii), (iii), (i), (iv)
 - C. (ii), (iii), (iv), (i)
 - D. (iv), (i), (ii), (iii)
36. Which of the following statements is true about all the veins? They _____
- A. carry de-oxygenated blood
 - B. have valves to prevent back flow of blood
 - C. carry blood under low pressure
 - D. have thin walls
37. Which one of the following statements is not true about force?
- A. It makes objects lighter.
 - B. It makes objects to fall from a height.
 - C. It makes stationery objects to move.
 - D. It makes moving objects to stop.
38. The set up shown below can be used to investigate the presence of a certain components of soil.



The soil component investigated above is,

- A. mineral salt
 - B. air
 - C. water
 - D. humus
39. Which one of the following is not a function of placenta during pregnancy.
- A. it removes waste material from the foetus to the mothers blood
 - B. protects the embryo from poisoning
 - C. prevent entry of bacteria and viruses to the foetus
 - D. provide food nutrients and oxygen from the foetus to the mothers' blood

40. Which one of the following statements about blood circulation is true?
- Pulmonary artery receives de-oxygenated blood from the right ventricle.
 - Pulmonary vein takes oxygenated blood to the lungs
 - Oxygenated blood from the lungs is received by the Aorta
 - Aorta receives oxygenated blood from the left auricle.
41. Which of the following materials are both translucent?
- Mirror and paper smeared with oil.
 - Fresh milk and frosted glass.
 - Paper smeared with oil and frosted glass.
 - Mirror and fresh milk.
42. Which of the following is not a source of electricity?
- Dam.
 - Geothermal generator.
 - Dry cells.
 - Dynamo.
43. Which one of the following is a non-magnetic material?
- Razor blade
 - Tin lid
 - Copper wire
 - Steel wool
44. A child has the following signs of a certain disease
- Brownish and thin hair*
 - swelling of some body parts e.g face, cheeks and arms*
 - sores at the corner of the mouth*
- Which of the following groups of food would be suitable for the child with the above signs?
- Beef, Peas, Milk
 - Sorghum, carrot, sweet potatoes
 - Sorghum, carrot, sweet potatoes
 - oranges, irish potatoes, sugrcane
45. Which of the following characteristics is not for insect pollinated flowers?
- Produce a small amount of heavy sticky pollen grains.
 - Usually small in size.
 - Brightly coloured petals.
 - Have scent.
46. The following are procedures to follow when investigating the downward movement of water through the soil but not in their correct order.
- pour equal amounts of water at the same time.
 - place the funnels on the mouths of the three plastic bottles.
 - make 3 funnels from cut off parts of 3 small bottles
 - put same quantity of 3 types of soil in each funnel
 - fix some small pieces of cloth in the neck of each funnel.
- Which one of the following shows the correct order?
- (iii), (iv), (i), (v), (i)
 - (ii), (iv), (iii), (v), (i)
 - (iii), (v), (iv), (ii), (i)
 - (iii), (ii), (v), (iv), (i)
47. Which one of the following is not true about HIV infected people?
- They should be encouraged to participate in social activities
 - They should be encouraged to take medicines to cure AIDs
 - They required regular medical attention
 - They have a weakened immune system.
48. Which one of the following aspects of sound is not true?
- Special sounds have a meaning.
 - The loudness or softness of sound is called volume.
 - Sound travels in all directions.
 - Sound travels in a straight line.
49. The chart below shows simple classification of plants



Which of the following pairs represents X and Y respectively?

- | X | Y |
|-------------|--------|
| A. Coffee | Banana |
| B. Algae | Maize |
| C. Orange | Mosses |
| D. Mushroom | Moulds |
50. All of the following are pollutants. Which one is not a water pollutant?
- Excessive use of fertilizer
 - Chemical from factories
 - Raw sewages
 - Aerosols.