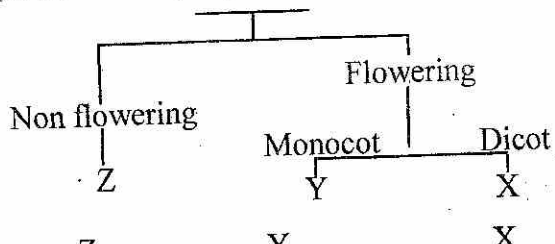


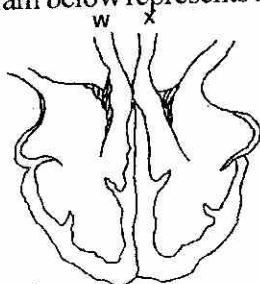
GATUNDU DISTRICT
ASSESSMENT TEST TERM II 2014
STD 8 SCIENCE

1. Hellen a pupil from Kagio primary school was asked by her science teacher to name food crops after their lesson. She gave the following list. Which answer among the four had the wrong information.
- A. legumes vegetables fruits
 B. cereals tubers legumes
 C. vegetables fibre beverages
 D. fruits tubers legumes
2. The following diagram shows the classification of plants. Which group of plants are correctly listed.



- | | | |
|---------------|------------|-------------|
| Z | Y | X |
| A. Algae | cowpeas | Rice |
| B. pineapple | millet | sorghum |
| C. Fern | groundnuts | Black beans |
| D. liverworts | wheat | Avocado |

3. The following are methods of preserving food
 (i) smoking (ii) freezing
 (iii) drying (iv) salting (v) canning
 Which methods are modern
- A. i, iii, v B. i, ii, iii
 C. ii, iii, v D. i, ii, iv
4. Which one of the following statements is NOT true about a foetus?
- A. Waste matter is removed through the placenta
 B. Receives oxygen through placenta
 C. The blood of the mother and that of the foetus mix
 D. Receives food substances from the mother's blood
5. The function of haemoglobin in the blood is to _____
- A. cause clotting
 B. fight disease germs
 C. transport food materials
 D. combine with oxygen
6. The diagram below represents a mammalian heart



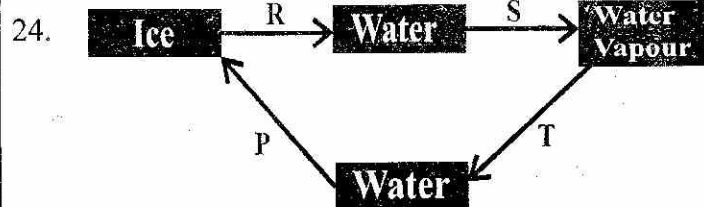
Which one of the following statements is TRUE about the heart

- A. W carries blood into the heart while X takes out
 B. X has valves whereas W has no valves
 C. W carries de-oxygenated blood while X carries oxygenated blood
 D. X has a thin wall while W has a thick wall
7. Which one of the following consists only of parts of the human body where digestion takes place?
- A. mouth and colon
 B. stomach and rectum
 C. liver and small intestines
 D. mouth and stomach
8. Which one of the following statements describe a human premolar tooth?
- A. pointed with one root
 B. chisel shaped with one root
 C. rough surface with two roots
 D. Rough surface with two roots
9. A certain animal lays eggs, has scales and the body temperature varies with surrounding. The animal is likely to be a
- A. toad B. platypus
 C. duck D. crocodile
10. The chart below shows a simple classification of small animals
- ```

 graph TD
 Root[SMALL ANIMALS] --- ZeroLegs[Zero Legs]
 Root --- SixLegs[Six Legs]
 Root --- EightLegs[Eight legs]
 Root --- TenLegs[Ten legs]
 ZeroLegs --- X[X]
 SixLegs --- Weevil[Weevil]
 EightLegs --- Mite[Mite]
 TenLegs --- Y[Y]

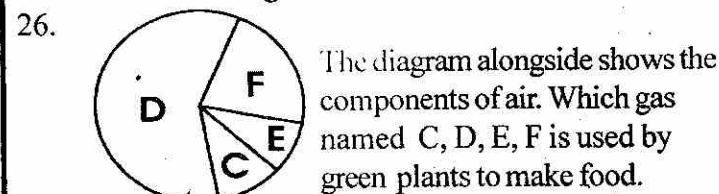
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- Which animals are represented by letters X and Y respectively
- A. Snake and spider  
 B. Earthworm and crab  
 C. Millipede and mite  
 D. Newt and scorpion
11. What causes hardness in water
- A. impurities      B. Dissolved salts  
 C. untreated sewage      D. scum
12. Which one of the following pairs of animal parasites can be controlled by spraying chemicals?
- A. fleas and roundworms  
 B. mites and fleas  
 C. lungworms and liverflukes  
 D. Ticks and tapeworms
13. Which one of the following is not a method of recycling water
- A. purifying sewage water  
 B. purifying factory water  
 C. Harvesting rain water  
 D. Re-using domestic water

14. The following are all signs of unhealthy crop except  
 A. stunted growth                      B. streaks  
 C. wilting                                      D. lower the yields
15. Draining of stagnant water can prevent the spread of  
 A. Cholera and Typhoid  
 B. Bilharzia and malaria  
 C. Typhoid and malaria  
 D. Cholera and Bilharzia
16. Which one of the following factors affects floating and sinking?  
 A. length of an object  
 B. height of an object  
 C. size of an object  
 D. type of the material the object is made of
17. Which component of tobacco destroys haemoglobin of active and passive smokers  
 A. Carbon monoxide                      B. Nicotine  
 C. Carbon dioxide                        D. Tar
18. The following are effects of taking drugs  
 (i) marital conflicts  
 (ii) Truancy  
 (iii) Loss of consciousness  
 (iv) Addiction  
 (v) Fighting  
 Which one of the following are the health effects of taking drugs  
 A. ii, v                                              B. iii, iv  
 C. i, iv                                                D. i, ii, v
19. Animals are an important component of the environment. In which way will plants not benefit from animals  
 A. cross-pollination  
 B. seed dispersal  
 C. Giving out of carbon dioxide  
 D. Germination of seeds
20. Which one of the following will pollute water only  
 A. untreated sewage                      B. used oil  
 C. farm chemicals                        D. factory wastes
21. Which one of the following groups of machines consist of inclined planes only  
 A. ladder, spade, crowbar  
 B. A road winding up a hill, crowbar, clawhammer  
 C. staircase, ladder, road winding up a hill  
 D. spade, staircase, ladder
22. Which one of the following methods of soil conservation can be used to control splash erosion.  
 A. Making terraces  
 B. Building gabions  
 C. Planting cover crops  
 D. Practising contour farming
23. The following are features of a certain type of clouds  
 (i) mountainous in shape  
 (ii) appear like bundles of cotton  
 (iii) dark grey in colour  
 (iv) white in colour  
 Which pair of features are for nimbus clouds  
 A. iii and iv                                      B. i and iii  
 C. ii and iii                                        D. i and iv



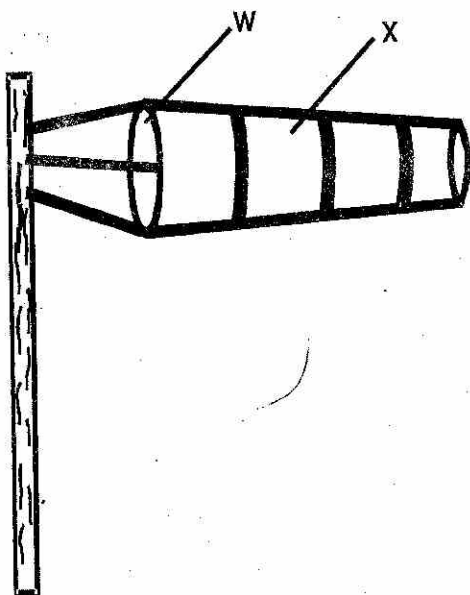
24. The above diagram shows how matter changes. Which two letters show decrease of heat  
 A. P and T  
 B. R and P  
 C. S and T  
 D. R and T

25. Which one of the following least conserves soil  
 A. mulching  
 B. planting cover crops  
 C. contour ploughing  
 D. Terracing



- A. E                                                      B. D  
 C. C                                                      D. F
27. A lactating mother should feed on a diet rich in calcium in order to \_\_\_\_\_  
 A. prevent craving for clay soil  
 B. replace blood lost during birth  
 C. improve the immunity of the baby  
 D. strengthen the bones of the baby
28. Which one of the following is measured in newtons?  
 A. weight                                              B. mass  
 C. work                                                D. pressure
29. Std 5 pupils at Kagumo-ini primary school did an experiment on evaporation of liquids. They used water, kerosene, petrol and spirit of equal amount in bottle tops as shown below  
 The correct order of evaporation from the bottle tops is \_\_\_\_\_  
 from fastest to slowest
- 
- A. Spirit                      petrol                      water                      kerosene  
 B. Spirit                      petrol                      kerosene                      water  
 C. petrol                      spirit                      kerosene                      water  
 D. water                      kerosene                      petrol                      spirit
30. Which one of the following is true about planet jupiter? It is \_\_\_\_\_  
 A. The fifth planet from the sun  
 B. Largest planet  
 C. Has three beautiful rings  
 D. Neighbours the planet mars

- C. Condensation and evaporation  
D. Melting and freezing
47. The diagram below represents a windsock constructed by pupils



- Which one of the following statements about the instrument is not true?
- A. A piece of wire is used in making part W  
B. Part X is made of polythene paper  
C. Measures the speed of wind  
D. It is fixed on a long pole
48. A beam balance is used to \_\_\_\_\_
- A. balance different materials  
B. measure the weight of different materials  
C. show masses of different objects  
D. compare masses of different objects
49. The soil that drains water fastest
- A. has small air spaces  
B. cracks when dry  
C. has poor capillarity  
D. has smooth texture
50. Which one of the following groups of food makes a balanced diet
- A. potatoes, beans, eggs  
B. chicken cabbages, beans  
C. rice, chapati, chicken  
D. peas, ugali, spinach