
COUNTY MOCK EXAMS-STD 8 2016

SCIENCE PAPER

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MAKUENI COUNTY MOCK EXAMS

STANDARD EIGHT - YEAR 2016

SCIENCE

Time : 1 hr 40 mins

READ THESE INSTRUCTIONS CAREFULLY

1. You have been given this question booklet and a separate answer sheet. The question booklet contains 50 questions
2. Do any necessary rough work in this booklet
3. When you have chosen your answer, mark it on the ANSWER SHEET, not in this question booklet

HOW TO USE THE ANSWER SHEET

4. Use only an ordinary pencil
5. Make sure that you have written on the answer sheet:
YOUR INDEX NUMBER
YOUR NAME
NAME OF YOUR SCHOOL
6. By drawing a dark line inside the correct numbered boxes mark your full Index Number (i.e. School Code Number and the three figure Candidate's Number) in the grid near the top of the answer sheet.
7. Do not make any marks outside the boxes
8. Keep the sheet as clean as possible and do not fold it.
9. For each of the questions 1-50 four answers are given. The answers are lettered A, B, C, D. In each case only one of the answers is correct. Choose the correct answer.
10. On the answer sheet the correct answer is to be shown by drawing a dark line inside the box in which the letter you have chosen is written

Example

In the question Booklet

24. Standard 2 pupils were modelling using soil. Which one of the following soils could have been the least they were using

- A. Clay
- B. Loam
- C. Sand
- D. Mixture of clay and loam

The correct answer is C

On the answer sheet:

21. [A] [B] [C] [D] 22. [A] [B] [C] [D] 23. [A] [B] [C] [D] 24. [A] [B] [C] [D]

11. Your dark line MUST be within the box
12. For each question ONLY ONE box is to be marked in each set of four boxes

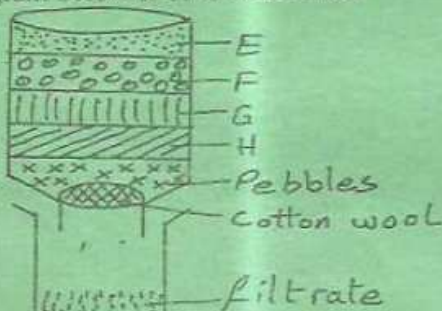
This question paper comprise of 8 printed pages

Candidates should check the question paper to ensure that all the pages are printed and no questions are missing.

- Absorption of mineral salts in the elementary canal of human beings takes place in the _____
A. Small intestines
B. Stomach
C. Duodenum
D. Large intestines
- The following food crops were grouped into cereals and vegetables. Which ones were correctly grouped?

Cereals	Vegetables
A. Sorghum	Millet
B. Oats	Carrots
C. Maize	Watermelon
D. Groundnuts	Cabbage

- Which of the following disease may diarrhoea and vomiting be minimal for absent?
A. Cholera
B. Typhoid
C. Malaria
D. Bilhazia
- The following are uses of some forms of energy:
(i) *Cooking*
(ii) *Boiling water*
(iii) *making food in plants*
(iv) *Seeing clearly*
Which of the following above describes the form of energy that bends when it gets into water?
A. (iii) and (iv)
B. (i) and (iv)
C. (ii) and (iii)
D. (i) and (ii)
- The diagram below is of a water filter



Parts H, G, F, E represent

- Course sand, fine sand, charcoal, muddy water
 - Course sand, charcoal, fine sand, muddy water
 - Course sand, fine sand, muddy water, charcoal
 - Fine sand, courses and, charcoal, muddy water
- Which one of the following statements is not true about the force that opposes motion. The force _____
A. can be reduced by streamlining
B. produce heat
C. make the load heavier
D. increases effort
 - Which of the following animals gives birth to young ones?
A. Crocodiles
B. Lizard
C. Chameleon
D. Kangaroo

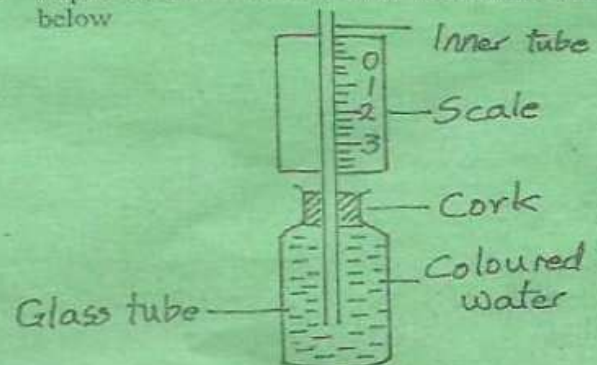
- Below is an illustration of a food chain
Vegetables - grasshoppers, chicken - hawk
Which of the following statements is true about the food chain above?

- Grasshoppers are producers
- Chicken do not depend on vegetables
- Hawk is the least number
- Vegetable are the primary consumer

- Which one of the following components of blood is correctly matched with its function?

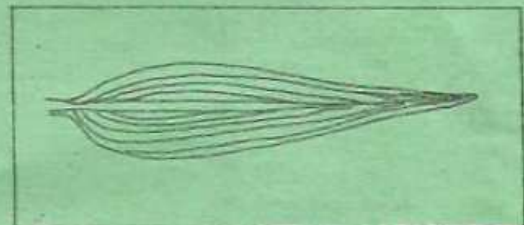
Blood component	Function
A. Plasma	transport food
B. Red blood cells	clotting of blood
C. Platelets	fight germs
D. White blood cells	transport oxygen

- Pupils constructed a weather instrument shown below



The mistake made in the illustrations was _____

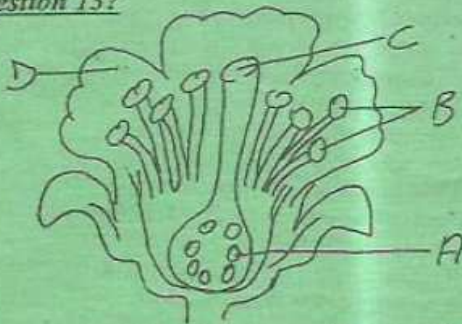
- closing the cork tightly
 - placement of the scale
 - using coloured water
 - using a narrow tube
- The following characteristics were observed by standard five pupils while classifying animals
(i) *Have scales on the legs*
(ii) *Have constant body temperature*
(iii) *have carapace*
(iv) *Breath by lungs*
Which of the above characteristics could enable the tortoise to free from danger?
A. (i)
B. (ii) and (iv)
C. (ii) and (iii)
D. (iii)
 - During a nature walk class 6 pupils came across a flat leaf of a plant as shown below



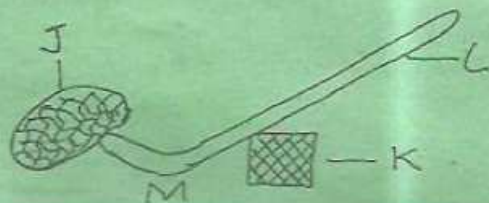
The plant with similar leaf is likely to have?

- Fibrous roots
- Two cotyledons
- Tap root system
- Compound leaves

Use the diagram of the flower below to answer question 13?



13. Among the labelled parts above, where will germination of pollen grains take place?
14. Which of the following explains why rain water collected in a rain gauge should be measured at the same time every day?
 - A. To avoid evaporation
 - B. Rain falls at specific times
 - C. For accurate results
 - D. A rain gauge does not work at different time
15. The main reason why pre-test counselling is given to a person taking HIV test is _____
 - A. to advise on the right diet
 - B. to prepare one for any worries and fears
 - C. to take the right drugs
 - D. to enable one to accept the HIV status
16. Which one of the following does not describe drug misuse?
 - A. Taking prescribed drugs for a lifetime
 - B. Taking a drug that is illegal
 - C. Taking drugs for leisure
 - D. Taking an under dose of prescribed drugs
17. The periodic release of eggs by female mammals is called?
 - A. Menstruation
 - B. Ovulation
 - C. Gestation
 - D. Egestion
18. Acid rain is mainly caused by _____
 - A. Nitrogen gas
 - B. Sulphur dioxide
 - C. Hydrogen gas
 - D. Oxygen gas
19. Mary was driving in a tarmac road. The road looked wet from a distance but could not find any water on the tarmac road. What do you think made the road look watery?
 - A. Spectrum
 - B. Refraction of light
 - C. Dispersion
 - D. Reflection of light
20. Which one of the following is not considered when grouping clouds?
 - A. Shape
 - B. Appearance
 - C. Height
 - D. Disappearance
21. The diagram below represents a lever?
 - A. J
 - B. K
 - C. L
 - D. M

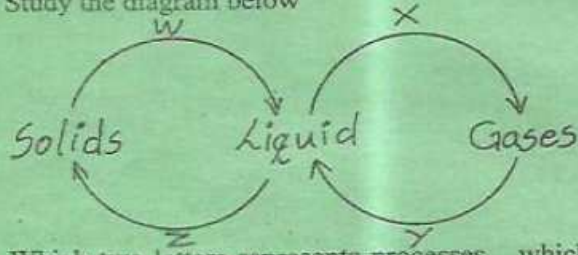


To be able to lift the stone with ease, we should increase the distance between points?

- A. K and L
 - B. M and L
 - C. J and K
 - D. M and J
22. Class four pupils in Kyanguyu primary school were classifying weeds. Which group consisted of edible weedy only?
 - A. Pigweed, datura
 - B. Oxalis, Mexican marigold
 - C. Amaranths, oxalis
 - D. Wandering jew, pigweed
 23. Which one of the following mixtures cannot be separated by dissolving, filtering and evaporating?
 - A. Glucose and sugar
 - B. Sand and salt
 - C. Sugar and flour
 - D. Salt and soil
 24. Which one should be preserved by freezing because they will change in flavour and colour??
 - A. Fish and meat
 - B. Bananas and peas
 - C. Chicken and pork
 - D. Cabbage and mutton
 25. Below are properties of soil and their meaning. Which one is correctly matched to its meaning??
 - A. Drainage - the ability of the soil to hold water in it
 - B. Capillarity - the ability of the soil to hold water in it
 - C. Water retention - the ability of soil to allow water pass through it
 - D. Air space - the smoothness and roughness of soil
 26. Mutie was seen to have the following signs and symptoms of a certain disease
 - (i) Blood in the sputum
 - (ii) blood in the sputum
 - (iii) Chest pain
 - (iv) Lose of weight
 The disease described above is likely to be
 - A. Malaria
 - B. Whooping cough
 - C. Tetanus
 - D. Tuberculosis
 27. Class seven pupils in Smart Future primary school gave safety measures against electricity. Which one cannot lead to electric shock when dealing with electric gadgets?
 - A. Touching naked electric wires
 - B. Inserting objects in sockets
 - C. Overloading sockets
 - D. Touching switches with wet hands
 28. A snake bit Mutiso. Through which blood vessel would the snake poison enter his heart?
 - A. Vena cava
 - B. Pulmonary vein
 - C. Aorta
 - D. Pulmonary artery
 29. Which one of the following is not a root tuber?
 - A. Carrot
 - B. Cassava
 - C. Arrow root
 - D. Irish potato
 34. Nitrogen present in the air is taken in by plants through the _____
 - A. flower
 - B. Leaves
 - C. Roots
 - D. Stem

MKN/MOCK/SCIE

35. Study the diagram below



Which two letters represents processes which involve absorption of heat from the surrounding?

- A. Z and X B. W and Y
C. Z and Y D. W and X

36. Syombua woke up in the morning and saw a bright object which does not twinkle in eastern side of the sky. The object was likely to be:-

- A. Jupiter B. Jupiter
C. Mars D. Venus

37. The toothless gap that is present in the herbivores is used for?

- A. Holding food for the tongue
B. Manipulation of food by the tongue
C. Making swallowing of food easy
D. Grinding and chewing food

38. Kamene a standard 8 pupil was told not to store medicine in a soft drink bottle. Why?

- A. May fall and break
B. Young children can mistake them for water
C. May not show expiry date
D. May not show prescription

39. Which one of the following is Not a force?

- A. Friction B. Magnetic
C. Mass D. Weights

40. Determining steadiness or stability of objects is referred to as _____

- A. balancing B. stable
C. weighing D. measuring

41. Which one of the following vaccine is given to a baby at the age of 10 weeks?

- A. 3rd anti- polio B. B.C.G
C. 1st D.P.T D. Anti- measles

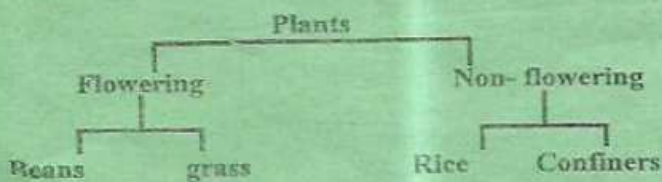
42. Four pupils from Kyanguyu primary school collected the following materials

- Mutua: tin, iron, aluminium
Muli: copper, steel, nickel
Kalekye: silver, copper, aluminium
Pendo: tin, iron, steel

Among the four, who collected magnetic materials only?

- A. Kalekye B. Pendo
C. Muli D. Mutua

43. The chart shows classification of some plants



Which plant is wrongly grouped?

- A. Grass B. Conifers
C. Beans D. Rice

44. Which of the following age group is most likely to be anaemic due to less iron in their blood?

- A. Children under five years
B. Adolescent boys between fifteen to twenty years
C. Adults between fifty to sixty years
D. Adolescent girls between fourteen to eighteen years

45. Mr. Muema, a road contractor place murrum on a certain road. This was to?

- A. Make the road more firm
B. Absorb rain water
C. Increase grip with tyres
D. Make the road last longer

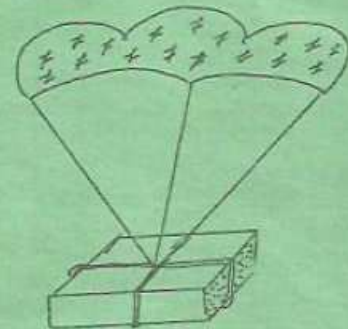
46. Listed below are advantages of organic fertilizers. Which one is Not?

- A. Does not pollute the soil
B. Improve soil texture
C. Releases nutrients to the soil
D. Used for more than one growing seasons

47. Which one of the following does not take place during the breathing in process?

- A. The diaphragm relaxes
B. The diaphragm moves down wards
C. The hair in the nostrils traps dust particles
D. The ribs move upwards and outwards

48. The diagram below shows an improvised set up that was used to drop a box from a tall building



The speed at which the box drops could be reduced by _____

- A. increasing the surface area of the cloth
B. reducing the length of the ropes
C. making small holes in the cloth
D. using light cloth

49. Which one of the following methods is effective in controlling fleas?

- A. Dusting the animals with chemicals
B. Clearing bushes
C. Dusting the grain stores with chemicals
D. Drenching all the livestock

50. Weeds can best be controlled by _____

- A. using chemicals
B. uprooting
C. slashing
D. digging out