



SCHOOL BASED EVALUATION TEST

STANDARD EIGHT YEAR - 2020

SCIENCE

73314403

READ THESE INSTRUCTIONS CAREFULLY

- Use an ordinary pencil only.
- Make sure that you have written on the answer sheet.

I. YOUR NAME

II. NAME OF YOUR SCHOOL

Time: 1 Hour 40 Mins.

1. Which one of the following types of human teeth is **not correctly** matched with its function?

Teeth

Function

- | | |
|-------------|-----------------------|
| A. Premolar | Tearing and grinding |
| B. Canines | Tearing and holding |
| C. Molar | Crushing and grinding |
| D. Incisors | Cutting and biting |

2. Which one of the following pairs of drugs consist of illegal and legal drugs respectively?

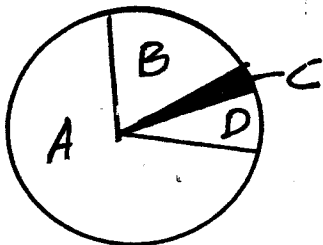
- Miraa and madrax
- Alcohol and cobras glue
- Cocaine and alcohol
- Tobacco and khat

3. The beak of a bird drawn below is adopted to feed on



- grain
- fish
- fresh
- nectar

The pie chart below shows air composition.



4. Which letter represent air used in burning?

- B
- C
- D

5. The chart below represents a simple classification of plant?

Plants

Flowering

Non-flowering

Mango

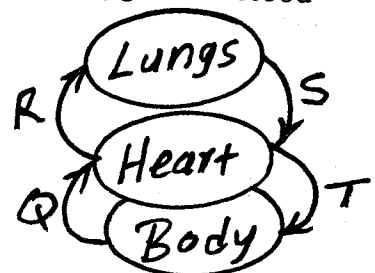
Cypress

X

Y

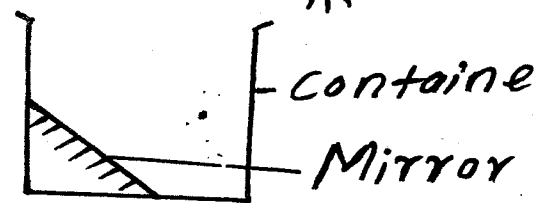
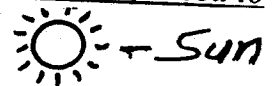
MS-002

6. Which plants are represented by Y and X respectively?
- Beans and maize
 - Maize and moss
 - Cedar and tomatoes
 - Moss and fungi
7. The below diagram shows the human circulatory system. Which blood vessels carry oxygenated and deoxygenated blood respectively?



- R and T
- Q and S
- T and S
- S and Q

7. The diagram below represent a set up used to investigate aspect of light.



- The aspect being investigated is _____
- reflection
 - making a rain bow
 - refraction of light
 - how light travels

8. Which one of the following is both an oil crop and fibre crop?
- Barley
 - Coconut
 - Sisal
 - Simsim
9. The following are importances of lighting a house **except**
- read comfortably
 - discourage pest
 - using artificial light
 - avoid accidents
10. The following are the main methods of grazing **except**
- strip grazing
 - rotational grazing
 - stall feeding
 - herding

11. Which one should be avoided during heavy thunderstorm?

- A. Leaning on the wall
- B. Sitting next to fire
- C. Wearing a red t-shirt
- D. wearing shoes with a rubber sole

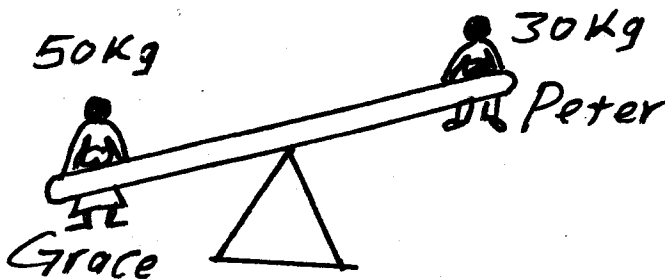
12. The following are functions of part of the reproductive system:

- (i) Allow the passage of ovum to the uterus
- (ii) Production of the sperm
- (iii) Allow the passage of sperms and urine
- (iv) Production of the ova
- (v) Carry the sperm from the tests to the urethra

Which of the above functions are found in the part of the female reproductive system?

- A. ii, iv
- B. iii, i
- C. iv, i
- D. v, ii

13. Grace and Peter were playing on a see-saw as shown below.



In order to balance on the see-saw

- A. Peter should move closer to the pivot
- B. both Peter and Grace should move closer to pivot
- C. move the pivot towards Peter
- D. Grace to move loser to the pivot

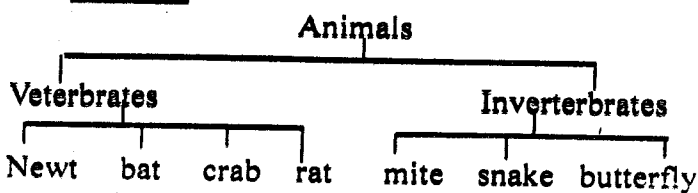
14. When a substance dissolves in a solvent it's forms a

- A. solute
- B. solution
- C. filtrate
- D. residue

15. Which one of the following need **not** be the same when investigating soil capillarity?

- A. Size of the tube
- B. Size of soil particles
- C. Time taken
- D. Amount of cotton wool

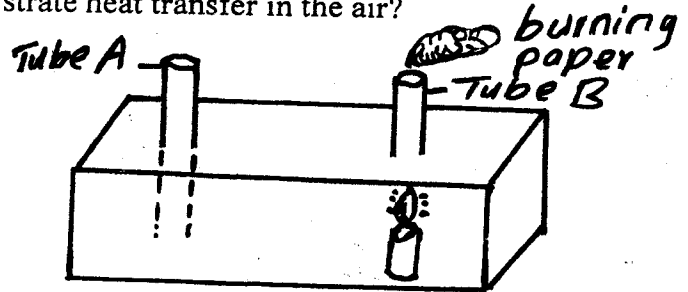
16. The diagram below shows classification of animals.



Which animals are **wrongly** classified?

- A. Bat and snake
- B. Mite and crab
- C. Snake and crab
- D. Rat and butterfly

17. The following set-up was used by class 5 pupils in Kapendo primary school to demonstrate heat transfer in the air?



Which mistake did they make?

- A. Using two tubes
- B. Placing the burning paper above tube B
- C. Using the same size of tubes
- D. Using a burning candle

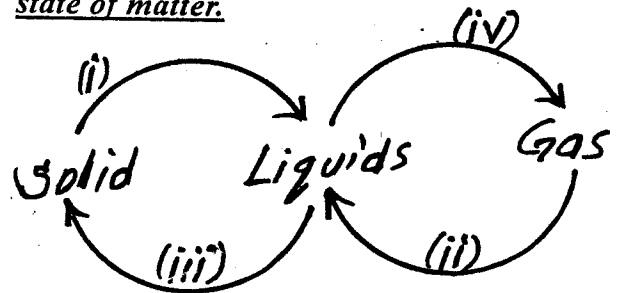
18. The following are signs symptoms of a certain disease:

- (i) Prolonged cough
- (ii) Fever
- (iii) Pain in the joints
- (iv) Chest pains
- (v) Shivering

Identify the signs for TB

- A. i, ii, iv
- B. i, iii, v
- C. ii, iv, v
- D. ii, iv, v

19. The diagram below shows the changes in the state of matter.



Which of the processes is an effect of decreasing heat?

- A. ii, iv
- B. i, iii
- C. iii, iv
- D. ii, iii

20. A farmer noticed small and shallow channels forming in his garden due to running water. This type of soil erosion is

- A. splash
- B. sheet
- C. rill
- D. gully

21. The following are ways of using water sparingly. Which one is not?

- A. Repairing leaking pipes
- B. Recycling sewage and water
- C. Close water taps when not in use
- D. using drip irrigation

22. Which one of the following only consist's of materials that are magnetic?
 A. Iron fillings, tin, steel., nickel
 B. Zinc, chromium, cobalt, tin
 C. Wood, silver, iron, gold
 D. Tin, steel, paper, chromium
23. Which one of the folloiwng statement does not describe cumulus clouds?
 A. They bring rain
 B. They have flat base
 C. They are common in fine weather
 D. They are thick and feathery
24. The folloiwng are parts of digestive system and their functions. Which one is correctly matched with its function?
 A. Mouth - remove undigested materials
 B. Small intestine - mix food with saliva
 C. Rectum - where digestion ends
 D. Large intestine - absorption of water and mineral salts
25. The following are signs and symptoms of nutritional deficiency diseases.
 (i) Breathlessness
 (ii) Brown hair
 (iii) Pot berry
 (iv) Paleness of the skin
 (v) Sores at the corner of the mouth
 (vi) Feeling tired easily
 Which signs are for anaemia?
 A. i, iv, vi B. i, ii, iii
 C. ii, iii, iv D. iii, v, vi
26. Which one of the following is not a way of decreasing friction?
 A. Streamlining B. Using rollers
 C. Using lubricants D. Treading
27. The following are characteristics of matter:
 (i) Has a definite mass
 (ii) Has no definite volume
 (iii) Has no definite shape
 The above characteristics are for _____ material
 A. sand B. kerosene C. oxygen D. stone
28. The following activities were undertaken when modelling the solar system.
 (i) Drawing circles on manila paper to show orbits
 (ii) Put name tags on models of planets and the sun
 (iii) Model the sun and the planets
 (iv) Paste manila paper on soft board using glue
 (v) Mount the planets and the sun using pins or thorns
- Which arrangement shows the correct order in which the activities were carried out?
 A. i, iii, iv, v, ii B. iii, i, iv, ii, v
 C. iv, i, iii, v, ii D. iii, iv, i, v, ii
29. The main function of deep root in plant that grow in dry area is to
 A. photosynthesis
 B. absorb oxygen
 C. bring about dormancy
 D. tap water from underground
30. The following are effects of pest on crops. Which one is not?
 A. Lower yields
 B. Wilting
 C. Reduced quality of produce
 D. Cause diseases to crops
31. Which of the following body fluids is the least likely to transmit HIV?
 A. Saliva B. Semen C. Breast milk D. Blood
32. The force that pull an object towards the ground is called
 A. force of a magnet B. friction
 C. inertia D. force of gravity
33. The following are examples of sexually transmitted infection except
 A. gonorrhoea B. chancroid
 C. tuberculosis D. syphilis
34. Four pupils were asked by their Science teacher to name field pest. Who was wrong?
 A. Weevils, stalkborers, cutworms
 B. Aphids, weaverbirds, stalkborers
 C. Stalkborers, cutworms, aphids
 D. Cutworms, aphids, stalkborers
35. Which one of the following is not a way of preventing water borne diseases?
 A. Drinking boiled water
 B. Washing hands before visiting the toilet
 C. Proper disposal of faeces
 D. Wearing protective clothing
36. A plant which has deep roots and succulent stem is likely to have
 A. thin cuticle B. broad leaves
 C. needle like leaves D. air sacs
37. The following are uses of some components of air:
 (i) Germination
 (ii) Preserving soft drinks
 (iii) Making light bulbs
 (iv) Making plant food
 Which two uses are for the component that makes up to 0.03% of air?
 A. i and ii B. ii and iv
 C. iii and iv D. ii and iv

38. The following are safety measure when dealing with electricity. Which one is not?

- A. Do not touch naked electrical wires
- B. Do not overload sockets
- C. Avoid having cables under the carpet
- D. Avoid sheltering under a tree

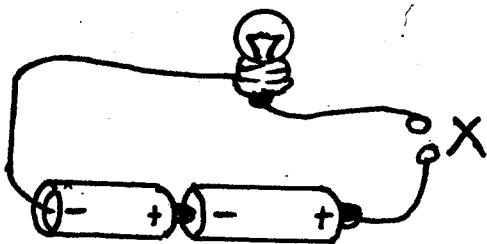
39. The following are processes that take place during birth in humans:

- (i) Contractions of the uterine wall
- (ii) The clotting of the umbilical cord
- (iii) widening of the cervix
- (iv) Releasing of amniotic fluid
- (v) The baby comes out
- (vi) Release of after birth

Which of the following is the correct order?

- A. iv, iii, ii, v, vi
- B. v, iii, iv, vi, iii
- C. i, v, ii, iii, iv
- D. iv, iii, v, ii, vi

40. Which of the following materials if placed at point X will make the bulb light?



- A. Toothpick
- B. Rubber
- C. Graphite rods
- D. Hair

41. Which one of the following shows a pair of both modern and traditional methods of preserving food?

- A. Use of low temperature and drying
- B. Freezing and cunnig
- C. Drying and salting
- D. Smoking and drying

42. The following are characteristics of all animals except

- A. remove waste
- B. feed
- C. give birth
- D. die

43. Which one of the following is not a major component of environment?

- A. Soil
- B. Water
- C. Light
- D. Animals

44. Which one of the following groups consist's of only food stuffs that are used for body building and repair?

- A. Eggs, peas, milk, fish
- B. Rice, oranges, meat, potatoes
- C. Wheat, fish, maize, bread
- D. Beans. potatoes, maize, cassava

45. The surroudnign of a living thing is referred to as

- A. habitat
- B. shelter
- C. environment
- D. home

46. The following are factors that affects floting and sinking. Which one does not?

- A. Weight
- B. Size
- C. Shape
- D. Type of materials

47. Class 7 pupils were asked by their Science teacher to name natural manure. who was wrong?

- A. Ann: Green manure
- B. Mary: CAN
- C. James: Farmyard manure
- D. Daniel: Compost manure

48. Class 5 pupils of Makuyu primary school were asked to bring the following materials in class:

- (i) A glass bottle
- (ii) Ink
- (iii) Inner tube of ballpoint
- (iv) A cork
- (v) Water
- (vi) Strong manila paper and cello tape

Which weather instruments were they likely to make?

- A. An air thermometer
- B. A liquid thermometer
- C. Wind sock
- D. Rain gauge

49. The following are effects of sound pollination except

- A. feeling comfortable
- B. becoming irritable
- C. losing ability to hear
- D. becoming more alert

50. In which one of the following diagram did the seeds germinate?

