

SCHOOL BASED EVALUATION TEST

STANDARD EIGHT YEAR - 2020

SCIENCE 7331+03

C — n
Excellence

READ THESE INSTRUCTIONS CAREFULLY

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

I. YOUR NAME

II. NAME OF YOUR SCHOOL

Time: 1Hour 40Mins.

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?

- A. Miraa and madrax
- B. Alcohol and cobras glue
- C. Cocaine and alcohol
- C. Tobacco and khat

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

- A. grain B. fish C. fresh D. nectar

The pie chart below shows air composition,

4. Which letter represent air used in burning?
A. B C. D.

Which plants are represented by Y and X respectively?

- A. Beans and maize B. Maize and moss
- C. Cedar and tomatoes D. Moss and fungi

6. The below diagram shows the human circulatory system. Which blood vessels carry oxygenated and deoxygenated blood respectively?

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- A. R and T B. Q and S
- C. T and S D. Sand Q

5. _____ represents a simple classification of plant?

Plants

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The aspect being investigated is

A. reflection B. making a rain bow

C. refraction of light D. how light travels

Which one of the following is both an oil crop and fibre crop?

A. Barley B. Coconut C. Sisal D. Simsim

The following are importances of lighting a house **except**

A. read comfortably B. discourage pest

C. using artificial light D. avoid accidents

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Flowering

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Non-flowering

The following are the main methods of grazing **except**

X Mango

Cypress

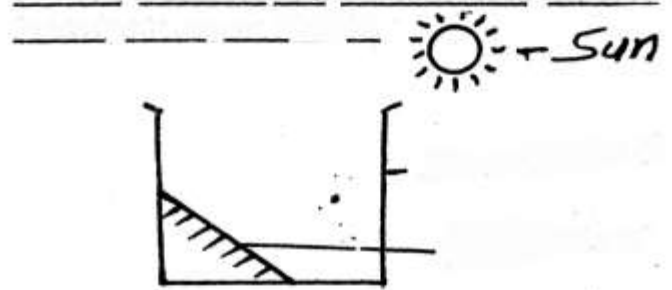
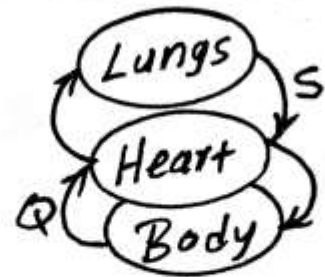
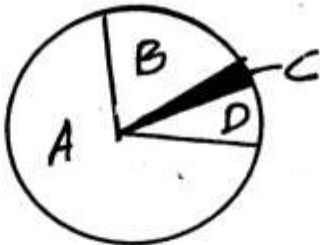
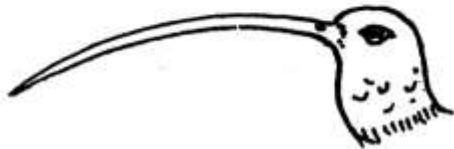
Y

A. strip grazing
C. stall feeding

B. rotational grazing
D. herding

MS-002

SCIENCE STD 8



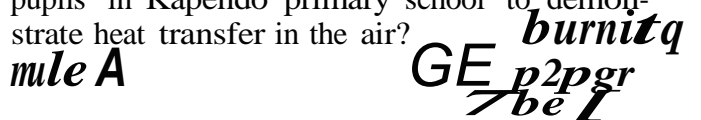
11. Which one should be avoided during heavy thunderstorm?
 A. Leaning on the wall
 B. Sitting next to fire
 C. Wearing a red t-shirt
 D. wearing shoes with a rubber sole
12. The following are functions of part of the reproductive system:
 (i) Allow the passage of ovum to the uterus
 (ii) Production 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.*

Pe+er

- 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 closer 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

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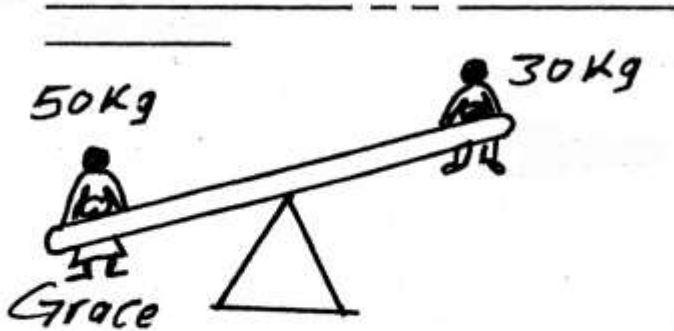
21.

- A. i,ii,iv B. i, iii, v C. ii,iv,v
 D. ii,iv, v *The diagram below shows the changes in the state of matter.*

Gas

_____ | _____ | _____ | _____ | _____ | _____ | _____
 | | | | | | | |
 Newt bat crab rat mite snake butterfly

MS-002



Animals

Invertebrates

Processes is an effect of decreasing heat?

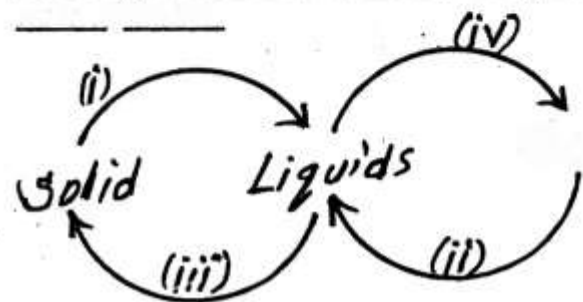
- A. ii, iv B. i, iii
 C. iii, iv D. ii, iii

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



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



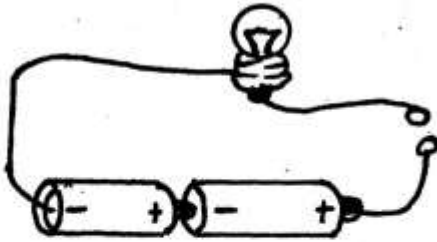
22. Which one of the following only consist's of materials that are magnetic?
- A. Iron fillings, tin, steel., nickel
 - B. Zinc, chromium, cobalt, tin
 - C. Wood, silver, iron, gold
 - D. Tin, steel, paper, chromium
23. Which one of the folloiwng statement does not describe cumulus clouds?
- A. They 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 comer 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, , 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, , 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. 
 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
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) Inncr tube of ballpoint
 (iv) A cork
 (v) Water
 (vi) Strong manila paper and' cellotape
 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?

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

MG-1



boiled
u0fey

@_See Ls



A.



B.



C.



D.