



TIMER NATIONAL SERIES EVALUATION TEST STANDARD FIVE SCIENCE

Serial no. 0072014

READ THESE INSTRUCTIONS CAREFULLY

- You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
- Do not write on this question paper.
- When you have chosen your answer, mark it on the **ANSWER SHEET**, not in this question paper.
- Make sure that you have written on the answer sheet.

{ 5 }

Time: 1 hr. 40 mins

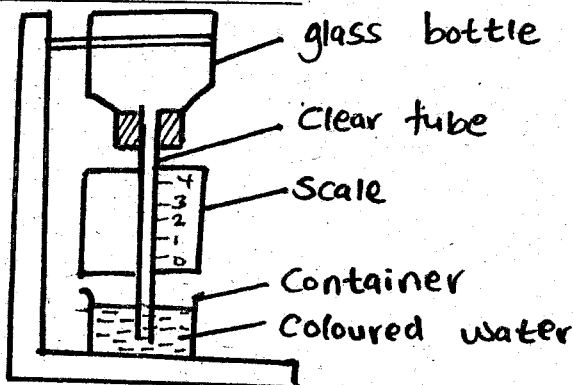
HOW TO USE THE ANSWER SHEET

YOUR NAME _____

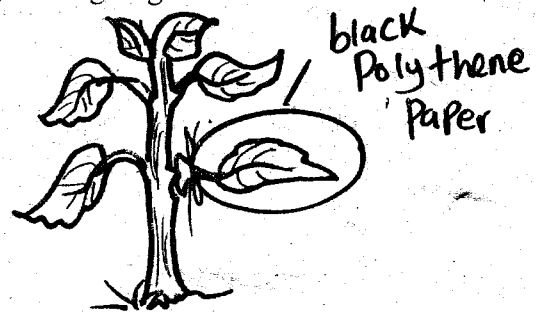
NAME OF YOUR SCHOOL _____

- Which stage of HIV infection does a person stay healthy for many years without any signs?
A. Window B. Asymptomatic ✓
C. Full blown D. Symptomatic
- Sharing body piercing equipment, tooth extraction tools and other sharp objects may _____
A. spread waterborne diseases. ✓
B. reduce cost of buying many tools. ✓
C. spread the HIV virus.
D. spread skin diseases.
- Decayed plants and animals form _____ in the soil.
A. matter B. humus ✓
C. mineral particles D. living organisms
- All medicines should be well labelled before storing them to prevent _____
A. getting spoilt. B. expiring.
C. wrong usage ✓ D. being reached by children.
- Four pupils carried out activities to change states of matter as follows:-
Vannessa - boiled water to steam
Kurira - melted ice to water
Newton - froze water to ice
Joanne - crashed a piece of chalk to powder form.
Which pupil did **NOT** change state of the matter?
A. Newton B. Kurira
C. Joanne D. Vannessa

The diagram below shows an air thermometer.
Use it for questions 6 and 7.

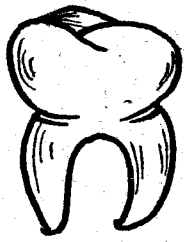


- What happens in the air thermometer on a hot day?
A. The water level in the tube is low.
B. Water drops in the container.
C. Water rises in the tube. ✓
D. Air rises in the tube.
- What mistake was made in the set up of the above instrument?
A. Using a glass tube.
B. Using a glass bottle ✓
C. Using coloured water.
D. Labelling the scale wrongly.
- Three of the following are ways of storing water **EXCEPT**;
A. pots B. drums
C. dams D. pipes ✓
- Which one of the following is **TRUE** about breathing in?
A. Ribs moves downward and inward
B. Diaphragm moves upwards
C. Lungs decrease in size
D. Diaphragm flattens ✓
- Which of the following animals is **NOT** a mammal?
A. Shark ✓ B. Whale
C. Platypus D. Bat
- Std 5 pupils set up the experiment below. What were they investigating?



- Germination
- Photosynthesis
- Transpiration ✓
- Transportation

12. Identify the teeth drawn below.



(i)

- A. molar
- B. premolar
- C. incisor
- D. premolar



(ii)

- canine
- incisor
- molar
- canine ✓

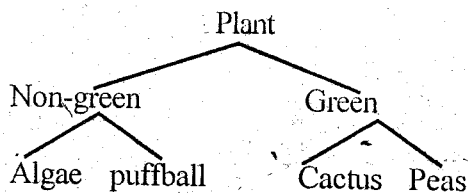
13. Which one of the following is NOT a way of maintaining farm tools?

- A. Cleaning after use.
- B. Throwing after use. ✓
- C. Greasing.
- D. Proper storage.

14. Three of the following body parts belong to the digestive system. Which one is NOT?

- A. Colon
- B. Bronchus ✓
- C. Gullet
- D. Duodenum

15. Which of the following plants is NOT correctly grouped?



- A. Puffball
- B. Cactus
- C. Algae ✓
- D. Peas

16. Kiplangat wanted to classify a sisal plant. In which group would he put it?

- A. Food crop
- B. Oil crops
- C. Beverage crops
- D. Fibre crops ✓

17. Which one of the following factors is common between a duck-billed platypus, a crocodile, a frog and a tilapia?

- A. All have a varying body temperature.
- B. All breath by lungs.
- C. All lay eggs. ✓
- D. All have scales.

18. A boy had the following signs and symptoms;

- i. Feeling dizzy
- ii. Paleness of the skin
- iii. Rapid heartbeat
- iv. Feeling very tired

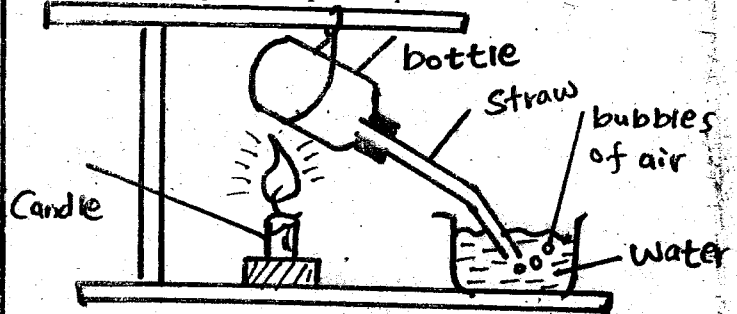
The boy was suffering from _____

- A. kwashiokor
- B. rickets
- C. marasmus
- D. anaemia ✓

19. Which one of the following is NOT a component of the soil?

- A. Air
- B. Water
- C. Humus
- D. Light ✓

20. Std 5 pupils set up an experiment as shown below.



What were they investigating?

- A. Expansion and contraction of liquids.
- B. Expansion and contraction of gases. ✓
- C. Warming of hot air.
- D. Condensation.

21. Study the diagram below.



By which means of heat transfer does heat from the fire reach the legs of the boy?

- A. Conduction
- B. Convection ✓
- C. Radiation
- D. Conduction and convection

22. The work of mucus and hair in the nose is to _____

- A. cause cold.
- B. increase immunity.
- C. trap dust and germs. ✓
- D. keep the nose open at all times.

23. The indigestible food is expelled from the body through a process called _____

- A. ingestion
- B. egestion ✓
- C. excretion
- D. expulsion

24. 1 cm³ of iron sinks in water whereas 1000 cm³ of wood floats. This is due to difference in _____

- A. shape of material and used.

- B. type of material used. ✓
- C. size of material used.
- D. weight of material used.

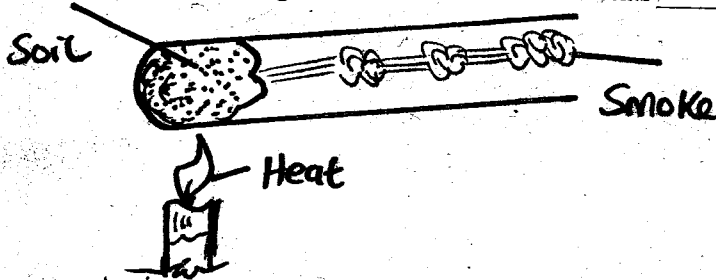
25. The size of soil particles determines three of the following EXCEPT;

- A. colour
- B. capillarity
- C. drainage
- D. texture

26. Sound travels poorest in _____

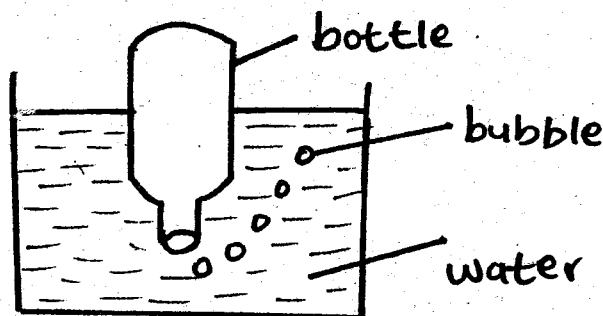
- A. solid
- B. vacuum ✓
- C. liquids
- D. gases

27. Std 5 pupils heated soil and smoke was seen and smell of burning bush. This shows that soil has _____



- A. air
- B. water
- C. humus ✓
- D. living organisms

28. The set up below was used to investigate _____



- A. air occupies space
- B. water has air
- C. bubbles in air
- D. air in soil

29. Which one of the following is NOT an effect of an increase in heat?

- A. Make solids expand.
- B. Melting of solids to liquids.
- C. Increase the volume of gas.
- D. Turning steam to liquid.

30. Which one of the following sets contain green plants only?

- A. Maize, beans, mosses, mucor
- B. Cedar, liverworts, mosses, algae
- C. Algae, puffball, fern, conifer
- D. Pine, bacteria, moulds, algae

31. Kilonzo visited a weather station and he observed the arrow of a windvane was pointing towards West. Where was the wind blowing from?

- A. East
- B. South
- C. North
- D. West

32. The MAIN sources of fibres are _____

- A. meat and arrowroots
- B. vegetables and fruits
- C. githeri and milk
- D. chips and sausages

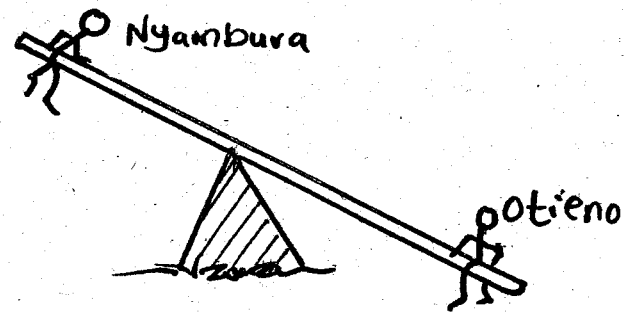
33. Which of the following instruments need NOT be placed in an open field when in use?

- A. Windsock
- B. Liquid thermometer
- C. Windvane
- D. Rain gauge

34. Which one of the following statements is CORRECT?

- A. A shark is an example of a mammal.
- B. All mammals give birth to young ones.
- C. Duck-billed platypus and spiny ant-eater are egg laying mammals.
- D. Millipedes and centipedes are insects.

35. The diagram below shows Otieno and Nyambura balancing on a see-saw.



In order to balance Nyambura should _____

- A. move nearer to pivot.
- B. move farther backwards.
- C. call her other friend so that they are two.
- D. carry her school bag.

36. Which one of the following is NOT necessary for photosynthesis?

- A. Water
- B. Carbon dioxide
- C. Sunlight
- D. Soil

37. Which one of the following is NOT use of water in the farm?

- A. Swimming
- B. Irrigation
- C. Watering animals
- D. Watering plants

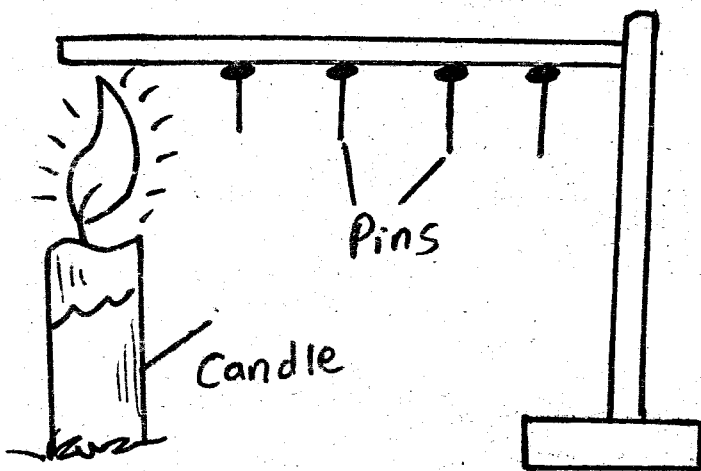
38. Which one of the following is NOT a natural way of lighting a house?

- A. Using large glass windows.
- B. Using transparent roofs.
- C. Using large transparent doors.
- D. Using electricity.

39. Which one of the following is **NOT** true?
- A. Plaque is formed from accumulation of food remains which rot and produce germs.
 - B. Acid is formed when germs feed on food remains in our teeth.
 - C. Tooth decay is a result of using coloured stick, salt and warm water.
 - D. Tooth sensitivity, bad breath and bleeding gums are problems of gum diseases.

40. Which one of the following does **NOT** affect sinking and floating of objects?
- A. Shape
 - B. Size
 - C. Weight
 - D. Density

41. Standard five pupils carried out the experiment below.

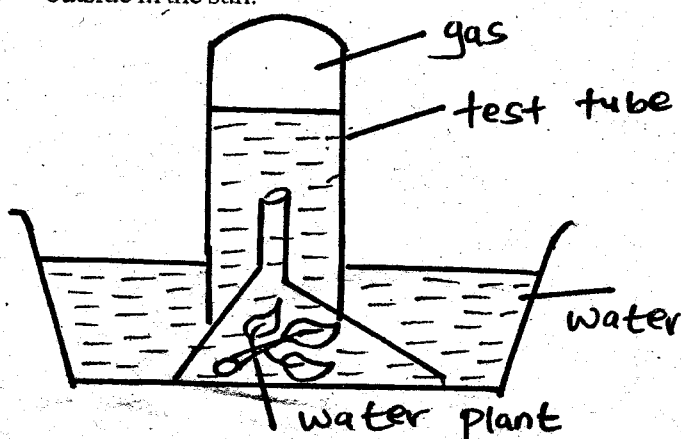


What were the pupils investigating?

- A. Convection
- B. Conduction
- C. Radiation
- D. Expansion

42. Which one of the following shows the movement of air during breathing out?
- A. Air sac → bronchi → bronchioles → nose
 - B. Air sac → bronchioles → bronchi → trachea → nose
 - C. Bronchioles → air sac → bronchi → nose
 - D. Nose → trachea → bronchi → bronchiole → airsacs

43. Std 5 pupils set up the experiment shown below outside in the sun.



What were the pupils investigating?

- A. Breathing in plants.
- B. Diffusion in plants.
- C. Photosynthesis in plants.
- D. Transpiration in plants.

44. The body's ability to resist and destroy germs that cause diseases is called _____

- A. immunity
- B. immune
- C. immuno
- D. deficiency

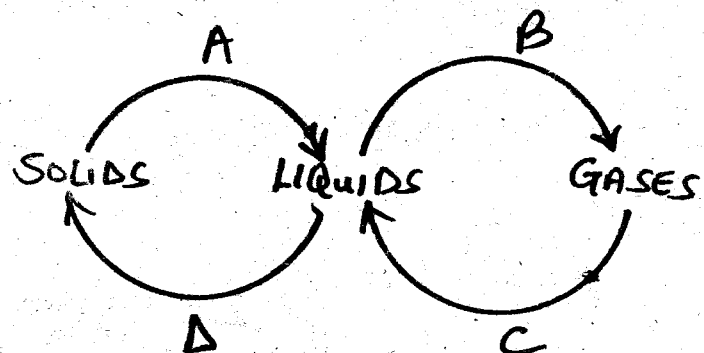
45. Which one of the following is **NOT** an energy giving food?

- A. Bread
- B. Rice
- C. Mandazi
- D. Cabbage

46. Which one of the following machines will one use to measure 1 kg of meat?

- A. Beam balance
- B. Measuring jar
- C. Spring balance
- D. See saw

47. Study the diagram below.



Which pair of letters represents processes which occur by losing heat to the surroundings?

- A. A, D
- B. C, D
- C. B, C
- D. A, B

48. Which one of the following is a by-product of photosynthesis?

- A. Carbon dioxide
- B. Oxygen
- C. Nitrogen
- D. Water

49. The state of matter that expands **MOST** when heated is _____

- A. solids
- B. liquids
- C. water
- D. gases

50. Which one of the following is **NOT** a tuber crop?

- A. Carrot
- B. Cassava
- C. Arrowroot
- D. Irish potato