

READ THESE INSTRUCTIONS CAREFULLY

1. You have been given this question paper and a separate answer sheet. The question paper contains **30** questions.
2. Make sure that you have written on the answer sheet.

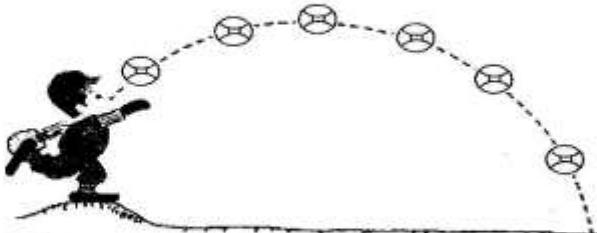
(i) Your name

(ii) Name of your school

(iii) KNEC Assessment Number

SECTION A: SCIENCE & TECHNOLOGY

1. Nyoro threw a ball in air as shown.



What type of force made the ball fall down?

- A. Friction
- B. Mass
- C. Inertia
- D. Gravity

2. Heat transfer occurs from the

- A. cooler body to the hotter body
- B. hotter body to the cooler body
- C. hotter body to the hotter body
- D. cooler body to the cooler body

3. The **main** source of heat on the earth is called the

- A. sun
- B. moon
- C. stove
- D. firewood

4. Alice uses heat in the following ways **except**

- A. drying grains
- B. keeping body warm
- C. cooling the body
- D. ironing clothes

5. Remy observed the characteristic of plants below in their kitchen garden.



It shows that plants

- A. grow
- B. feed
- C. die
- D. breathe

The diagram below represents the parts of a plant. Use it to answer questions 6 and 7.



6. The part labelled **X** is called

- A. leaf
- B. stem
- C. flower
- D. root

7. The function of the part marked **Y** is to

- A. absorb water
- B. produce seeds
- C. support plant
- D. make plant food

8. Pabgo explained why plants die. Why do plants die?

- A. Presence of water
- B. Plenty of food
- C. Lack of water
- D. Shading

9. The following are wastes removed by plants **except**

- A. excess water
- B. food made
- C. dry leaves
- D. gum

10. The picture below shows a certain characteristic of animals.



It shows that animals

- A. breathe
- B. grow
- C. feed
- D. move

11. Melna saw an animal with backbone. Which animal did she see?

- A. Tortoise
- B. Locust
- C. Spider
- D. Bee

12. The following are protective clothing you can wear when observing and handling animals. Which one is **not**?

- Overcoat
- Necklace
- Gloves
- Gumboots

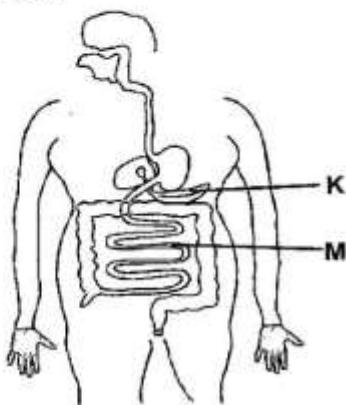
13. Sombe made a portfolio of invertebrates. The portfolio contained pictures of

- millipede
- snake
- lizard
- bat

14. The process of breaking down the food we eat into smaller pieces that our body can use is known as

- digestion
- egestion
- chewing
- excretion

The diagram below represents the human digestive system. Use it to answer questions 15 and 16.



15. The part marked **K** is called

- liver
- pancreas
- gall bladder
- duodenum

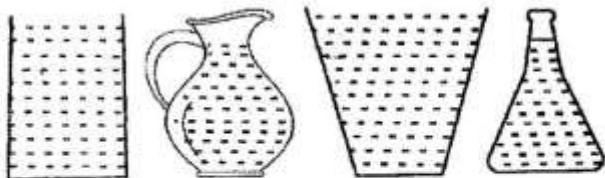
16. The main function of the part labelled **M** is

- chewing food
- food mixes with gastric juice
- absorption of water
- absorption of digested food

17. The three states of matter include the following except

- gas
- solid
- liquid
- water

18. Grade Four learners were investigating a certain property of liquids as shown below



It shows that liquids

- have definite shape
- have definite mass
- do not have definite shape
- have definite volume

19. Which one of the following is a solid?

- Oil
- Steam
- Salt
- Juice

20. A Grade Four learner collected wastes that can be recycled. Which one is **wrong**?

- Plastic wastes
- Wood shavings
- Pieces of wire
- Pieces of broken glass

21. Gadies was asked to collect solid waste at home. She observed the following safety measures **except**

- wash hands after handling wastes
- use gloves
- use gumboots
- carry wastes with bare hands

22. All the following are methods of managing different types of waste in our environment **except**

- recycling
- re-using
- reducing
- burning

23. Force that opposes motion is called

- gravity
- friction
- weight
- mass

24. You can light a room naturally by

- opening windows during daytime
- closing window and doors
- switching on electric bulbs
- lighting candle

25. The following are sources of heat **except**

- the sun
- electricity
- the moon
- charcoal burner

SECTION B: AGRICULTURE

Lucy constructed the structure below in her farm.
Use it to answer questions 26 and 27.



26. What is the name of the structure?

- A. Scarecrow
- B. Birds feeding table
- C. Safe trap
- D. Toy

27. The structure above is used to

- A. attract animals
- B. keep off animals
- C. make farm beautiful
- D. feed animals

A Grade Four learner found the wild animal below destroying crops in the school garden. Use it to answer questions 28 and 29.



28. The animal above feeds on

- A. green maize
- B. nuts
- C. flowers
- D. cereals in store

29. The animal above is known as

- A. squirrel
- B. mole
- C. rabbit
- D. monkey

30. The following can be used to make compost manure. Which one is **not**?

- A. Maize stalk
- B. Waste papers
- C. Broken pieces of glass
- D. Grass

31. When doing drip irrigation, you can use the following. Which one is it?

- A. Watering can
- B. Basins
- C. Plastic bottles
- D. Buckets

32. Which method below in farming conserves water?

- A. Sprinkler irrigation
- B. Drip irrigation
- C. Watering can irrigation
- D. Basin irrigation

33. We should use _____ to wet the tip of a thread in order to thread the needle easily.

- A. water
- B. saliva
- C. soil
- D. cooking oil

Mambo used the following personal protective equipment. Use it to answer questions 34 and 35



34. The personal protective equipment above is called

- A. gloves
- B. gumboots
- C. hat
- D. headgear

35. The protective equipment shown above is used to protect the

- A. hands
- B. head
- C. feet
- D. nose

36. You can make the cleaning tool in the picture below by using



- A. tuff grass
- B. plastic bottles
- C. old clothes
- D. old jerricans

37. When dusting a surface you should use

- gumboots
- gloves
- masks
- headgear

38. We can make clean water safe for drinking by

- warming under the sun
- boiling
- adding salt
- storing in pots

39. Achieng went for a long call. What should she do after leaving the latrine?

- Bathe the whole body
- Wash the face
- Wash the legs
- Wash the hands

40. Keeping yourself and your surrounding clean is called

- sanitation
- grooming
- hygiene
- disposal

41. Shallow frying can be used to cook

- eggs
- sweet potatoes
- maize
- chips

42. Ndeti cooked the food item in the picture below



It is cooked by

- deep frying
- shallow frying
- boiling
- grilling

43. Morine collected the food items namely; meat, fish and green grams. The food items belong to the

- protective foods
- body building foods
- fibre foods
- energy giving foods

44. Members of Putri's family eats balanced diet. What foods did they eat?

- Bananas, peas, fish
- Bread, rice, eggs
- Chapati, beans, ugali
- Chicken, spinach, ugali

45. A goat provides us with chevron while a bull provides us with

- beef
- mutton
- bacon
- pork

46. A farmer can take care of fruits in the farm by doing the following **except**

- weeding
- pruning
- harvesting
- watering

47. Rukai planted tiny seeded crops in his farm. He planted the following crops. Which one is it?

- Tomatoes
- Maize
- Wheat
- Carrots

48. The diagram below shows a certain type of fuel in use.



The type of fuel in use is called

- firewood
- gas
- charcoal
- paraffin

49. We can conserve firewood by

- using dry firewood
- using wet firewood
- putting fire in direct wind
- leave firewood lighting after cooking

50. We eat meat to

- provide body protection
- provide body building
- protect the body
- give fibre to prevent constipation