

1. A developing foetus is protected from shock by the
 - A. umbilical cord
 - B. amniotic fluid
 - C. placenta
 - D. uterine walls
2. Lactating mothers are advised to take plenty of fluids in order to:
 - A. increase immunity of the infants
 - B. increase breast milk production
 - C. replace blood lost during birth
 - D. strengthen the bones and teeth of the infants

3. The diagram below shows an improved jiko.



The main reason for the part labelled x is to

- A. reduce heat loss
 - B. strengthen the jiko
 - C. reduce the amount of charcoal used
 - D. prevent the jiko from breaking
4. The following are processes that take place during birth
 - (i) Dilation of the cervix
 - (ii) Contraction of the uterus
 - (iii) Bursting of the amnion sac
 - (iv) Expulsion of the baby
 - (v) Cutting of the umbilical cord
 Which of the following is the correct order?
 - A. (I), (iii), (ii), (iv), (v)
 - B. (ii), (iv), (iii), (i), (v)
 - C. (i), (iii), (iv), (ii), (v)
 - D. (ii), (i), (iii), (iv), (v)

5. The following are signs of ill health in plants **except**
 - A. curled leaves
 - B. stunted growth
 - C. discoloured leaves
 - D. few and small leaves

6. A rain gauge is used to
 - A. measure the strength of rain
 - B. measure the amount of rainfall
 - C. show direction of wind
 - D. show the temperature of a place

7. Carnassial teeth in carnivorous animals are used for
 - A. crushing bones
 - B. slicing flesh and cracking bones
 - C. tearing flesh
 - D. cutting flesh

8. Which one of the following adaptations is found in both animals that fly and swim?
 - A. Have hollow bones
 - B. Streamlined bodies
 - C. Have strong hind legs
 - D. Have wings

9. Which one of the following weed has green and purple leaves?
 - A. Pigweed
 - B. Mexican marigold
 - C. Oxalis
 - D. Wandering jew

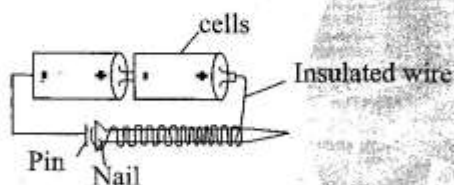
10. The **best** method of handling tins after use is by:-

- A. burying them deep in the soil
- B. throwing them in rivers
- C. smelting and moulding them into other products
- D. throwing them in pit latrines

11. Temporary hard water can be softened by

- A. boiling
- B. filtering
- C. lathering
- D. adding chemicals

12. The diagram below shows a set-up used by std 8 pupils.



The energy transformation that takes place in the above is

- A. Chemical → electrical → electromagnetic → mechanical
- B. Electromagnetic → electrical → chemical → mechanical
- C. Chemical → electrical → electromagnetic → light
- D. Chemical → electrical → heat
Light

13. Which one of the following is **not** carried by blood plasma?

- A. Digested food
- B. Water
- C. Carbon dioxide
- D. Oxygen

14. The component of air that occupies 78% of the air is used in

- A. fire extinguisher
- B. light bulbs
- C. germination
- D. making proteins

15. A farmer who rears dairy cattle is **likely** to make a type of manure called

- A. green manure
- B. farmyard manure
- C. organic manure
- D. compost manure

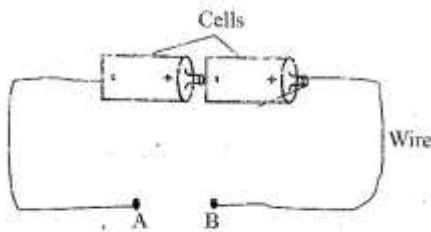
16. Plants that survive in dry areas have the following characteristics **except**, they

- A. shed their leaves
- B. have sunken stomata
- C. have thick cuticles
- D. have broad leaves

17. Which one of the following is the **main** effect of soil pollution?

- A. Loss of soil nutrients
- B. Death of soil animals
- C. Loss of soil water
- D. Increase in soil acidity

18. The diagram below shows a set-up used by std 7 pupils



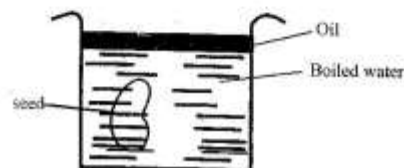
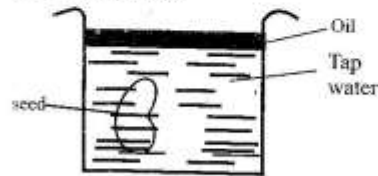
Which material when used to close the gap AB will make the bulb light?

- A. Dry wool
 - B. Steel wire
 - C. Cotton thread
 - D. Plastic rod
19. Which one of the following **cannot** cause food poisoning?
- A. Eating expired foods
 - B. Inner part of cassava
 - C. Eating beans cooked in fresh water after soaking overnight
 - D. Sprouting parts of the irish potatoes when eaten
20. During the process of digestion, water and mineral salts are absorbed in the
- A. small intestines
 - B. large intestines
 - C. stomach
 - D. rectum
21. Which of the following is a recommended practice to avoid being struck by lightning?
- A. Sheltering when leaning on a wall
 - B. Using an umbrella when in an open field
 - C. Wearing rubber shoes with thick soles
 - D. Sheltering under a tree

22. Which one of the following sources of energy is non-renewable?

- A. Kerosene
- B. Charcoal
- C. Firewood
- D. Biogas

23. The diagram below shows a set-up used to investigate a condition necessary for germination.

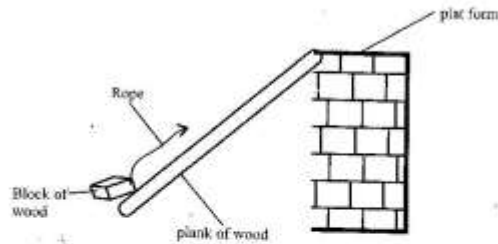


The condition investigated is

- A. water
 - B. air
 - C. warmth
 - D. soil
24. Which one of the following need **not** be the same when investigating drainage?
- A. Amount of water used
 - B. Size of the funnels
 - C. Size of the collecting jar
 - D. Amount of soil used
25. The following are effects of livestock diseases **except**
- A. low yield
 - B. rough coat
 - C. low quality products
 - D. death of animals

26. Which one of the following livestock parasites is found in the liver and lungs?
 A. Liver flukes
 B. Tapeworms
 C. Lungworms
 D. Roundworms
27. Which one of the following materials is translucent?
 A. Kerosene
 B. Frosted glass
 C. Skylights
 D. Mirror
28. The following are uses of water in the industries **except**
 A. irrigation
 B. making fountains
 C. cooling machines
 D. making products
29. Which method of food preservation involves deactivation of bacteria?
 A. Sun drying
 B. Refrigeration
 C. Use of honey
 D. Salting
30. The correct units for measuring force are
 A. newtons
 B. kilograms
 C. grammes
 D. tonnes

31. Some constructors were pulling a big block of wood onto a platform as shown in the diagram below

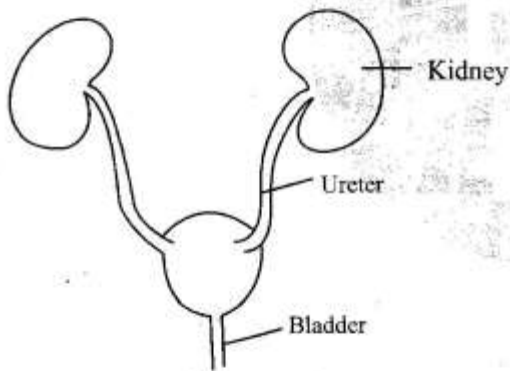


- To make them pulling easy they should:-
 A. increase the slope of the plank of wood
 B. decrease the length of the rope
 C. decrease the slope of the plank of wood
 D. increase the length of the rope
32. Which one of the following is an effect of HIV and AIDS to an individual?
 A. School dropout
 B. Low self esteem
 C. Poor economy
 D. Congestion in hospitals
33. Air breathed in is cleaned and warmed in the:-
 A. nose
 B. lungs
 C. mouth
 D. diaphragm
34. A certain drug has the following effects;
 (i) Causes lack of appetite
 (ii) Causes lack of sleep
 (iii) Causes hallucinations
 The drug described is
 A. cocaine
 B. khat
 C. bhang
 D. tobacco

35. Which one of the following describes the surrounding of a living thing?
 A. Habitat
 B. Environment
 C. Shelter
 D. Atmosphere

36. After adding water in a mixture of salt, sand and iron, the next step is:-
 A. passing of a magnet
 B. filtering
 C. evaporation
 D. dissolving

37. The diagram below shows an excretory organ



The excretory products from the above are:-

- A. urea, excess water, excess salts
 B. urea, faeces, sweat
 C. faeces, water, salts
 D. carbon dioxide, urea, salts
38. Vehicle exhaust fumes mainly pollute:-
 A. water
 B. air
 C. soil
 D. air and water

39. The **most** effective method of controlling fleas in livestock is by
 A. rotational grazing
 B. dipping
 C. deworming
 D. hand picking

40. Which one of the following is true about nimbus clouds?
 A. They are sign of fine weather
 B. They are found high in the sky
 C. They are white in colour
 D. They are irregularly shaped

41. Which method is **not** a rotational method of grazing?
 A. Herding
 B. Strip grazing
 C. Tethering
 D. Paddock grazing

42. The type of erosion that forms narrow u shaped channels on the ground is called:-
 A. sheet erosion
 B. gulley erosion
 C. splash erosion
 D. rill erosion

43. Which among the following changes during adolescence takes place in boys only?
 A. Increase in weight
 B. Wet dreams
 C. Growth of pubic hair
 D. Enlargement of breasts

44. Which among the following methods can be used to control the spread of cholera?
- A. Filtering drinking water
 - B. Covering pit latrines
 - C. Wearing gloves and gumboots
 - D. Proper cooking of food

45. A single fixed pulley makes work easier by:-
- A. reducing the weight of the load
 - B. changing the direction of force
 - C. increasing the effort distance
 - D. reducing the load distance

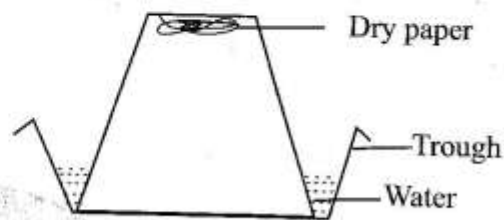
46. Which one of the following is a sinker?
- A. Wax
 - B. Feather
 - C. Charcoal
 - D. Pin

47. Which one of the following plants is a green and a non flowering plant?
- A. Cactus
 - B. Mushroom
 - C. Fern
 - D. Grass

48. The stage of HIV where the person tests positive but shows no signs is called
- A. window stage
 - B. incubation stage
 - C. full blown stage
 - D. symptomatic stage

49. Birds that feed on grains have
- A. flat, serrated beaks
 - B. long, slender beaks
 - C. short, strong, straight beaks
 - D. short, curved beaks

50. Std 5 pupils carried out the experiment below



After the experiment they concluded that:-

- A. air is a mixture of gases
- B. air is denser than water
- C. air occupies space
- D. air expands when heated