

1. Which one of the following diseases is a child immunized against at birth, sixth week, tenth week and fourteenth week after birth?
  - A. Measles.
  - B. Yellow fever.
  - C. Tuberculosis.
  - D. Poliomyelitis.
  
2. Which one of the following is advisable when spraying with chemicals?
  - A. Spraying when the temperatures are very high.
  - B. Wearing a gas mask when spraying.
  - C. Spraying against the direction of wind.
  - D. Washing hands before spraying.
  
3. Which one of the following pairs consists only of omnivorous animals?
  - A. Chimpanzee and pig.
  - B. Chimpanzee and hyena.
  - C. Hippopotamus and crocodile.
  - D. Hippopotamus and pig.
  
4. The reason why some plants have thick waxy cuticle is to
  - A. store manufactured food
  - B. reduce water loss
  - C. allow breathing to take place
  - D. trap more sunlight.
  
5. Which one of the following consists of groups of food that mainly contain fats?
  - A. Avocado, groundnuts, coconut.
  - B. Maize, coconut, beans.
  - C. Irish potatoes, groundnuts, maize.
  - D. Irish potatoes, beans, avocado.
  
6. The first step in obtaining salt from a mixture of salt solution and pieces of copper wire is
  - A. filtering
  - B. winnowing
  - C. using a magnet
  - D. evaporating to dryness.
  
7. Substances that have definite mass and volume are
  - A. solids only
  - B. solids and liquids
  - C. liquids only
  - D. liquids and gases.
  
8. A lactating mother should feed on a diet rich in calcium and phosphorous in order to
  - A. enable her to regain strength
  - B. replace blood lost during birth
  - C. improve the immunity of the baby
  - D. strengthen the bones of the baby.
  
9. Which one of the following is the most **effective** preventive measure against the spread of sexually transmitted infections amongst the youth in schools?
  - A. Seeking medical attention.
  - B. Use of condoms.
  - C. Circumcision.
  - D. Abstinence.
  
10. Which one of the following pairs consist only of inclined planes?
  - A. Wheelbarrow and see-saw.
  - B. Road winding up a hill and staircase.
  - C. Ladder and see-saw.
  - D. Wheelbarrow and staircase.
  
11. The percentage of the component of air in the atmosphere used by legumes to make proteins is
  - A. 78%
  - B. 21%
  - C. 0.97%
  - D. 0.03%.
  
12. The following are signs and symptoms of anaemia **EXCEPT**
  - A. breathlessness
  - B. pale white eyes
  - C. muscle wastage
  - D. tiredness.

13. Which one of the following consists only of a pair of animals that have constant body temperature?

- A. Shark and whale.
- B. Tortoise and ostrich.
- C. Shark and bat.
- D. Bat and ostrich.

14. The following are some activities carried out in an experiment to investigate drainage in soil.

- (i) Put equal amounts of three types of soil in separate funnels.
- (ii) Place the funnels on the mouth of each of the three plastic bottles.
- (iii) Put cotton wool in the neck of each funnel.
- (iv) Pour equal amounts of water on each type of soil at the same time.

Which one of the following is the **CORRECT** order of the activities?

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

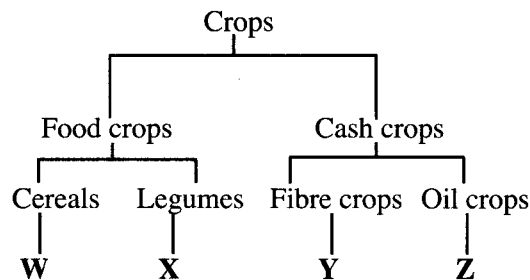
15. Which one of the following methods of soil conservation can be used to control splash erosion?

- A. Making terraces.
- B. Building gabions.
- C. Planting cover crops.
- D. Practising contour farming.

16. The effects of heat on ice that make it change to gaseous form are

- A. freezing and condensing
- B. melting and evaporating
- C. condensing and evaporating
- D. freezing and melting.

17. The chart below represents a simple classification of crops.



Which one of the following crops are **CORRECTLY** represented by W, X, Y and Z?

- |    | W          | X          | Y         | Z          |
|----|------------|------------|-----------|------------|
| A. | Sorghum    | Peas       | Sisal     | Sunflower. |
| B. | Peas       | Wheat      | Sunflower | Cotton.    |
| C. | Greengrams | Wheat      | Sisal     | Pawpaw.    |
| D. | Rice       | Greengrams | Kales     | Cotton.    |

18. The following is a feeding relationship that was observed in a certain habitat.

Maize grains → Rats → K → Hawks

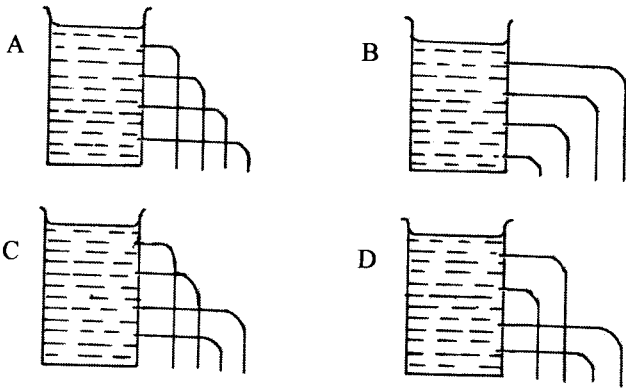
Which one of the following is **CORRECTLY** represented by K?

- A. Frogs.
- B. Snakes.
- C. Weaverbirds.
- D. Lizards.

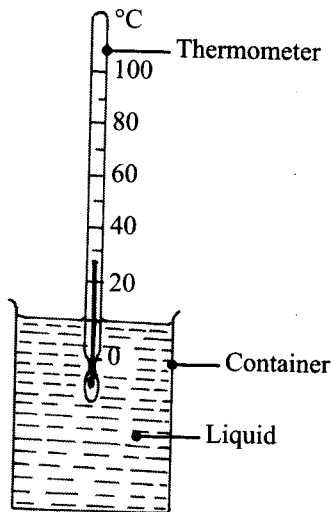
19. Which one of the following pests is **CORRECTLY** matched with the part of the crop it attacks?

- |    | Pest       | Part of crop attacked |
|----|------------|-----------------------|
| A. | Aphids     | Grains.               |
| B. | Stalkborer | Leaves.               |
| C. | Cutworm    | Stems.                |
| D. | Weevils    | Leaves.               |

20. Which one of the following diagrams represents what is observed when water is poured into a tin can with holes of the same size at different depths?



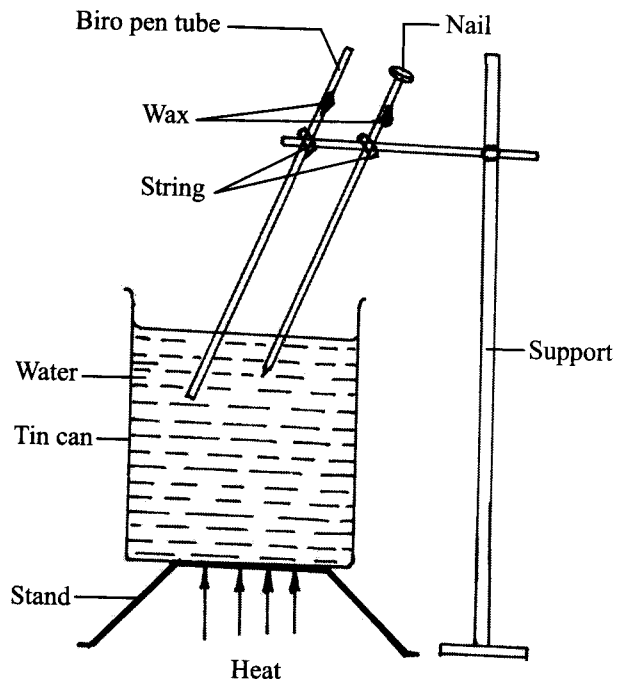
21. The diagram below represents a thermometer used to measure temperature of a certain liquid.



From the thermometer, the temperature of the liquid is

- A. 30°C
- B. 27°C
- C. 20°C
- D. 10°C.

22. The diagram below represents a set-up that was used to demonstrate a certain aspect of heat.



The aspect demonstrated was

- A. conduction in different solids
- B. convection in water
- C. conduction in water
- D. expansion in different solids.

23. To save a person who has touched an exposed electric wire, one should

- A. push the person away using dry wood
- B. pull the person from the wire
- C. pour cold water on the person
- D. shake the person vigorously.

24. In a certain investigation pupils heated different materials and recorded their findings.

Which one of the following **CORRECTLY** shows the pupils' findings?

**Materials that felt hot quickly**































- A. Rubber
- B. Copper
- C. Plastic
- D. Steel

**Materials that did not feel hot quickly**






- Iron.
- Aluminium.
- Glass.
- Wood.

25. Which one of the following statements is **NOT TRUE** about friction. Friction is a force that
- makes work difficult
  - is reduced by treading tyres
  - can be used to produce fire
  - affect the speed of moving objects.
26. Which one of the following statements describe a human canine tooth?
- Chisel shaped with one root.
  - Rough surface with two roots.
  - Rough surface with three roots.
  - Pointed tip with one root.
27. Which one of the following consists only of parts of the human body where digestion takes place?
- Mouth and stomach.
  - Large intestines and mouth.
  - Liver and stomach.
  - Large intestines and liver.
28. Which one of the following statements about reproduction in human beings is **CORRECT**?
- Fertilization takes place in the uterus.
  - Ovulation always takes place twice in a month.
  - Uterine wall contracts during birth.
  - The embryo develops into a zygote.
29. In which one of the following activities is water used for recreation?
- Watering plants.
  - Cooking.
  - Washing clothes.
  - Swimming.
30. In which one of the following is water used sparingly?
- Using domestic waste water to clean toilets.
  - Turning off water taps after use.
  - Recycling waste water from factories.
  - Using harvested rain water for animals to drink.

31. When constructing a windvane the
- pointer should be fixed on a short stand
  - pointer should be firmly held to the stand
  - pointer should be made of cardboard
  - tail of the pointer should be larger than arrow head.
32. Which one of the following groups of planets are in the **CORRECT** order in terms of distance from the sun?
- Venus, Mars, Earth.
  - Earth, Saturn, Jupiter.
  - Jupiter, Saturn, Uranus.
  - Mars, Neptune, Uranus.
33. The diagram below represents a weather chart prepared by pupils.

DAY	MORNING	MID-MORNING	AFTERNOON
Monday	 	 	 
Tuesday	 	 	 
Wednesday	 	 	 
Thursday	 	 	 
Friday	 	 	 

KEY:

	Sunny
	Cloudy
	Rainy
	Windy
	Calm

- Which one of the following statements is **CORRECT** about the weather chart?
- Whenever it was sunny it was also calm at the same time.
  - It only rained after calm conditions.
  - Whenever it was rainy it was also windy at the same time.
  - It rained only in the afternoons.

34. Birds that have short, straight and thick beaks are
- filter feeders
  - flesh eaters
  - nectar feeders
  - grain eaters.

35. In which one of the following does the load move through the same distance as the effort when in use?
- Crowbar.
  - Flagpost.
  - Spade.
  - Clawhammer.

36. Which one of the following pairs of objects will float on water?
- Coin and candlewax.
  - Bottle opener and needle.
  - Biro pen casing and rubber band.
  - Nail and bottle top.

37. During a demonstration to investigate a certain property of matter, soil was put in a small container and then dipped in water in a basin.  
This was to show the presence of
- air in water
  - water in soil
  - minerals in soil
  - air in soil.

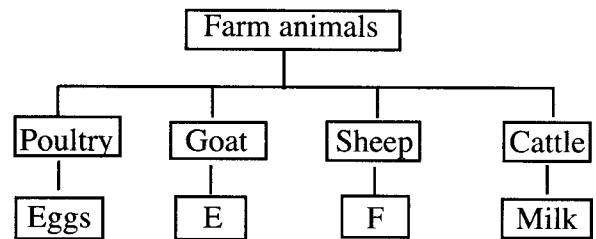
38. Which one of the following pairs of materials are good conductors of electricity?
- Steelwool and glass.
  - Coin and chalk.
  - Pins and dry wood.
  - Aluminium foil and razor blade.

39. Which one of the following statements about energy is **TRUE**? Energy is
- a push or a pull
  - ability to do work
  - force that moves a load
  - force overcome by a machine.

40. Driving a motor vehicle with a well maintained engine will **mainly** control pollution in
- air only
  - water only
  - soil and air
  - air and water.

41. A flower which has long feathery stigma and loosely held anthers is also likely to
- have brightly coloured petals
  - have sweet scent
  - produce many pollen grains
  - produce nectar.

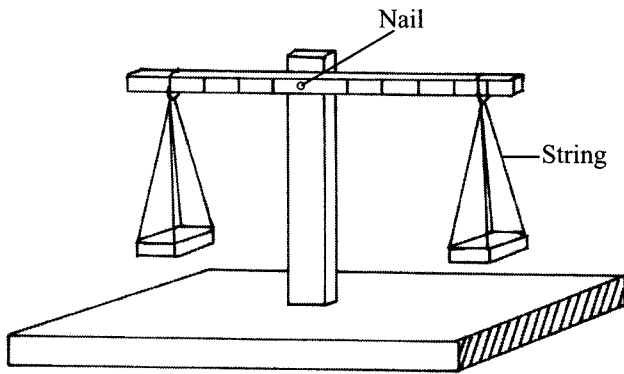
42. The chart below shows some farm animals and their products.



Which products are represented by **E** and **F**?

- |    | <b>E</b> | <b>F</b> |
|----|----------|----------|
| A. | Milk     | Wool.    |
| B. | Wool     | Mutton.  |
| C. | Beef     | Mutton.  |
| D. | Milk     | Beef.    |

43. The diagram below shows a set-up used by pupils to carry out an investigation.



The investigation was to

- A. show how the length of strings used affects balancing of different materials
  - B. measure amount of force of different materials
  - C. show how different materials move up and down
  - D. compare the masses of different materials.
44. Which one of the following is **TRUE** about soil that has high water retention? It has
- A. large air spaces
  - B. low capillarity
  - C. fine texture
  - D. large particles.
45. Which one of the following is an effect of soil pollution?
- A. Formation of acid rain.
  - B. Death of small animals.
  - C. Interferes with photosynthesis.
  - D. Causes respiratory diseases.
46. Which one of the following groups consist only of external livestock parasites?
- A. Fleas, mites, ticks.
  - B. Roundworms, lice, mites.
  - C. Fleas, tapeworms, lice.
  - D. Mites, roundworms, ticks.
47. In which one of the following cases is friction a disadvantage?
- A. Grinding maize.
  - B. Writing.
  - C. A bird flying.
  - D. Braking.

48. Which one of the following is a source of electricity?
- A. Electromagnet.
  - B. Bulb.
  - C. Dynamo.
  - D. Dam.
49. Which one of the following are both reasons for lighting a house?
- A. Safety and discouraging pests.
  - B. Drying and discouraging pests.
  - C. Warming and seeing clearly.
  - D. Safety and warming.
50. In a certain investigation on soil, pupils heated soil in a container until smoke was produced. This was to investigate presence of
- A. air in soil
  - B. organic matter in soil
  - C. water in soil
  - D. living organisms in soil.