

CLASS 6 END TERM 1 AUGUST 2021 SCIENCE

- Which one of the following statements is **correct** according to the vaccination schedule for infants?
 - The first dose of tuberculosis is given at 6 weeks
 - Tetanus vaccine is given at birth and at 10 weeks
 - Pertussis and measles vaccines are given at 14 weeks
 - Polio and Tuberculosis vaccines are given at birth
- Which one of the following statements describes a human tooth used in grinding and chewing? It has a
 - chisel shape with one root
 - pointed tip with two roots
 - rough surface with three roots
 - pointed tip with one root
- The following are some of the physical changes that take place during adolescence:
 - Hips become broader*
 - Chest and shoulders become broader*
 - Pimples may appear on the face*
 - Voice breaks*
 - Pubic hair grows*Which of the changes take place in an adolescent boy?
 - i, ii, v
 - i, iii, iv
 - ii, iv, v
 - i, iii, v
- Which one of the following does **not** help to prevent tooth decay and cavities?
 - Regular checking of teeth by a dentist
 - Eating sweets and sugary foods
 - Cleaning teeth after every meal
 - Drinking plenty of milk everyday
- During digestion, the following activities occur in the stomach **except**
 - mechanical breakdown of food
 - secretion of a digestive juice
 - killing of germs
 - mixing of food with enzymes
- Which one of the following is **not** advisable for a person suffering from tuberculosis?
 - Well ventilated housing
 - Taking a preventive medicine
 - Isolation from healthy people
 - Early treatment with antibiotics
- Which one of the following statements is **not true** about HIV and AIDS?
 - An individual in asymptomatic stage of HIV infection tests positive
 - A person develops AIDS during the full blown period of HIV infection
 - All people with HIV have AIDS
 - HIV cannot be spread by mosquito bites
- Which of the following plants store food in the stem?
 - Irish potatoes
 - Sweet potatoes
 - Cassava
 - Onions
- Which of the following pairs consists only of plants that can make their own food?
 - Moss and fern
 - Toadstool and fern
 - Algae and mould
 - Mould and fern
- Which one of the following plants is **not** a food crop?
 - Sunflower
 - Irish potato
 - Rice
 - Pineapple
- Which one of the following characteristics is found in both sharks and hawks?
 - Scales
 - Feeding on small insects
 - External fertilization
 - Breathing through gills
- Pupils put garden soil in a glass bottle containing water, shook it and allowed it to settle. Which one of the following could not be determined by the experiment?
 - Presence of air
 - Presence of organic matter
 - Presence of water
 - Sizes of different particles
- Which one of the following nutritional deficiency diseases makes the body parts of a child to swell?
 - Anaemia
 - Marasmus
 - Rickets
 - Kwashiorkor

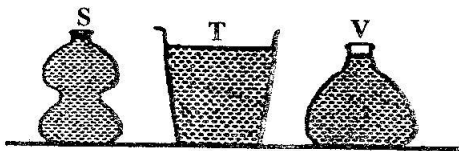
14. Heat from a burning stove reaches the whole room **mainly** by
 A. Radiation and conduction
 B. Radiation only
 C. Radiation and convection
 D. Convection only

15. The table below shows the results of an investigation done by pupils on floating and sinking:

Pupil	Objects that sink	Objects that float
Evans	Stick, pen	Pin, razor blade
Fred	Bottle top, stone	Metal dish, plastic plate
Grace	Thumb pin, piece of glass	Candle wax, plastic bag
Hyline	Charcoal, candle wax	Nail, stone

The pupil who recorded the correct results was
 A. Evans
 B. Fred
 C. Grace
 D. Hyline

16. During an experiment pupils poured a certain amount of water into a container labelled S. They then transferred the same water into the containers labelled T and V



The pupils were investigating whether liquids
 A. have definite shape
 B. have definite size
 C. occupy space
 D. have mass.

17. In which one of the following activities is the tool used properly?
 A. Digging a hard ground using a fork jembe
 B. Cutting wires using a knife
 C. Using a chisel to cut wood
 D. Removing nails using a claw hammer

18. What maintenance practices should be carried out to garden tools to prevent rusting during long storage?
 A. Clean, dry and apply oil on tools before storage
 B. Clean, dry and sharpen tools before storage
 C. Wash the tools and replace worn out parts
 D. Wash the tools and repair broken parts

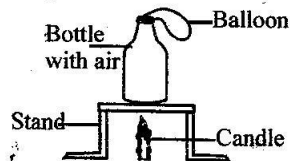
19. The following are activities carried out when making a beam balance but not in their correct order:

- Suspend the arm to find the balance point and mark
- Make a base, a stand and the arm
- Fix the stand and the arm to the base
- Suspend the tins on both sides of the arms

Which one of the following is the **third** step when making the beam balance when the activities are arranged in order?

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

20. A balloon was fastened to the neck of a bottle and the bottle was then placed on top of a burning candle shown in the diagram below



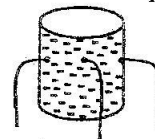
Which one of the following describes what happened to the balloon? The balloon

- A. expanded
 B. remained the same size
 C. melted
 D. shrunk

21. Which one of the following properties of a gas changes when it is heated and then cooled?

- A. Size
 B. Mass
 C. Weight
 D. Colour

22. A pupil investigating a certain aspect of pressure in a liquid used a set-up shown in the diagram below



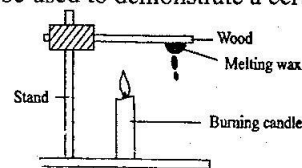
What conclusion could the pupil make from the investigation?

- A. Air exerts pressure on the surface of a liquid
 B. Pressure in a liquid increases with depth
 C. Pressure in a liquid is equal in all directions
 D. Pressure in a liquid is exerted on the sides only

23. Through which one of the following is the transmission of sound **fastest**?

- A. Liquids
 B. Water
 C. Wood
 D. Air

24. The diagram below represents a set-up that can be used to demonstrate a certain process.



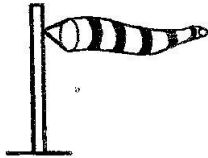
The process demonstrated is

- A. convection
 B. conduction
 C. diffusion
 D. radiation

25. Which of the following is **not** an artificial way of lighting a house?

- A. Candle
C. Tin lamp
B. Gas light
D. Open window

26. The diagram below shows a weather instrument.



The instrument is used for measuring

- A. direction and strength of wind
B. speed and direction of wind
C. speed and pressure of wind
D. pressure and strength of wind

27. Which one of the following instruments **does not** work on the principle that matter occupies space?

- A. Rain gauge
B. Air thermometer
C. Wind sock
D. Wind vane

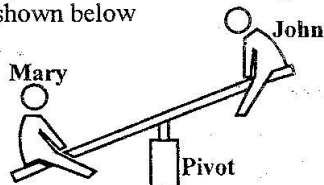
28. Below shows a weather chart kept by pupils in one week.

Day	Morning	Afternoon	KEY:
Monday			Sunny
Tuesday			Rainy
Wednesday			Cloudy
Thursday			Calm
Friday			Windy

Which of the following statements is **not true** about the weather observation?

- A. Most afternoons were wet
B. Tuesday morning was an ideal day for washing clothes
C. There were two days in the week which experienced a cloudy weather
D. Most afternoons were windy

29. Mary and John were balancing on the see saw as shown below



For John to balance with Mary,

- A. he should move away from the pivot as much as possible
B. he should move as close as possible towards the pivot

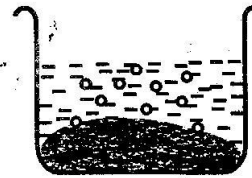
- C. he should stand on the pole and press it down as much as possible
D. they should sit at equal distances from the pivot.

30. Which one of the following uses of water is classified under recreational?

- A. Swimming
C. Drinking
B. Mixing chemicals
D. Transport

31. A lump of soil was placed in a glass container. Water was then poured into the container.

Bubbles were seen rising in the water as shown in the diagram below



This experiment showed that

- A. soil contains air
B. water contains air
C. air is formed when air is mixed with soil
D. air comes from small animals in the soil

32. Which one for the following properties of soil **does not** depend on the size of its particles?

- A. Colour
C. Drainage
B. Capillarity
D. Texture

33. Which type of soil is **most** difficult to cultivate when wet?

- A. Sandy soil
C. Loam soil
B. Clay soil
D. Sandy loam soil

34. Below is a diagram of a child suffering from a certain nutritional deficiency disease.



Which one of the following groups consists only of food stuffs that are suitable for the child in the above picture?

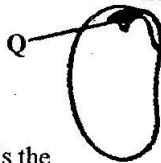
- A. Lemon, cabbage, carrots
B. Beans, groundnuts, fish
C. Maize, potatoes, rice
D. Meat, orange, spinach

35. Which of the following foods **mainly** contain fats?

- A. Groundnuts
C. Irish potatoes
B. Beans
D. Maize

36. Which one of the following animals lays eggs, breathes by lungs and has a constant body temperature?
- A. Frog
B. Crocodile
C. Duck
D. Whale
37. Which one of the following characteristics is true for both plants and animals? They
- A. move, use carbon dioxide
B. make their food, grow
C. reproduce, transpire
D. excrete, respond to changes in the environment
38. Which one of the following groups of animals consists of invertebrates only?
- A. Scorpion, newt and snail
B. Centipede, snail and spider
C. Newt, centipede and snail
D. Slug, frog and spider

39. A section through a bean seed is shown in the diagram below

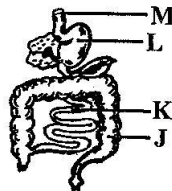


The part labelled Q is the

A. hilum
B. plumule
C. radicle
D. cotyledon

40. Which one of the following is a part of the embryo of a seed?
- A. Micropyle
B. Endosperm
C. Radicle
D. Cotyledon
41. The second stage of HIV infection is known as
- A. incubation
B. window
C. symptomatic
D. asymptomatic

42. The diagram below shows the human digestive system.

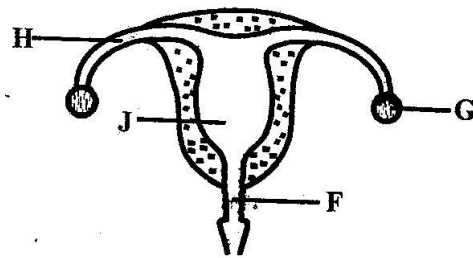


The juice that completes digestion is secreted at the part marked

- A. M
B. L
C. K
D. J

43. The main function of the C-shaped rings found in the breathing system is to
- A. help in exchange of gases
B. clean the air
C. protect the nose
D. keep the trachea open

44. The diagram below represents the reproductive system in the female body



Fertilization takes place in the part labelled

- A. F
B. G
C. H
D. J

45. The main reason why it is advisable to spray crops in the direction of the wind is to avoid
- A. the chemicals getting into contact with the skin
B. wastage of chemicals
C. polluting the air
D. inhaling the chemicals

46. Which of the following is a reason why farmers are advised to control weeds during crop production? Weeds
- A. form ground cover on the soil
B. reduce crop yields
C. are eaten by livestock
D. produce many weeds

47. The presence of thick white and cotton-like clouds is a sign of
- A. heavy rains falling soon
B. low temperatures
C. fine weather
D. strong winds blowing

48. Which of the following pairs of animals produces mutton?
- A. Goats and sheep
B. Cows and sheep
C. Camels and cows
D. Pigs and camels

49. How can water retention ability of sandy soil be improved? By
- A. practising crop rotation
B. growing cover crops
C. constructing terraces
D. applying organic manure

50. The process by which water vapour changes to liquid is called
- A. condensation
B. freezing
C. melting
D. evaporation