



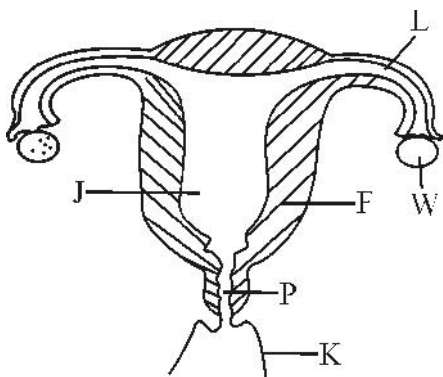
SANITIZER EXAM (6)

SCIENCE

Time: 1hrs 40min

- Which of the following is **not** a use of heat?
A. Boiling B. Ironing
C. Cooking D. Cooling
- Which state of matter expands most when heated?
A. Solids B. None
C. Liquids D. Gases

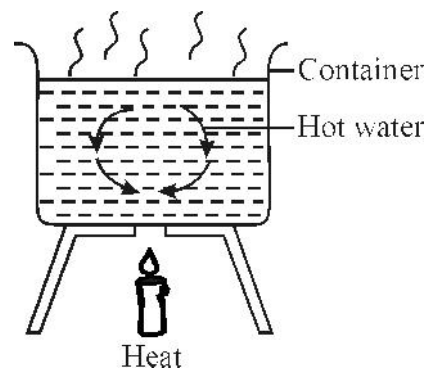
Use the diagram below to answer questions 3 - 4



- Development of the baby takes place in part
A. J B. K
C. W D. F
- Which of the parts marked above is external?
A. P B. F
C. K D. J
- Which soil has the **best** drainage?
A. Sand B. Clay and loam
C. Loam D. Clay
- Oxalis, sodom apple and black jack are
A. fibre crops B. non-green plants
C. weeds D. food crops
- Which of the following is a recreational use of water?
A. Irrigation B. Swimming
C. Drinking D. Cooking
- Heat from the sun reaches us by what process?
A. Evaporation B. Conduction
C. Convection D. Radiation

- The roots of most grasses are examples of
A. aerial roots B. tap roots
C. fibrous roots D. prop roots

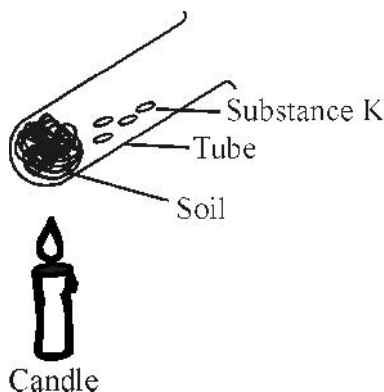
Study the diagram below



- The method of heat transfer above would be
A. boiling B. convection
C. radiation D. conduction
- Which of the following factors below **does not** influence floating and sinking?
A. Shape B. Size
C. Weight D. Type of material
- The exchange of gases in the breathing system of a human being takes place in the
A. nose B. diaphragm
C. air sac D. trachea
- Which of the human diseases has the following characteristics?
(i) *Wrinkled face*
(ii) *The child becomes a slow learner*
(iii) *The child looks very weak*
(iv) *The child cries alot*

A. Kwashiorkor B. Marasmus
C. Blindness D. Rickets
- In the construction of the railway line, gap is left between the railway bars. What is the use of the gap?
A. Bending of the railway
B. Expansion of the railway
C. Construction of the railway
D. None of the above

15. Which of the following has a group of protective foods **only**?
- Chicken, fish, milk
 - Pineapple, mango, spinach
 - Peas, sorghum, potatoes
 - Eggs, maize, milk
16. Muthoni heated some soil in a tube as shown.



The experiment shows there is ____ in soil.

- organic matter
 - mineral particles
 - air
 - water
17. Which of these animals is **wrongly** matched with what they provide?

Animal	Product
A. Cattle	Wool
B. Goat	Milk
C. Poultry	Meat
D. Sheep	Mutton

18. Which of the following is **not** a method of maintaining tools?
- Sharpening them
 - Greasing and oiling them
 - Avoiding to use them
 - Storing in a cool dry place
19. What is capillarity in soil?
- The ability of water to rise through soil
 - The ability of plants to grow in soil
 - The ability of soil to retain water
 - The ability of water to drain down through
20. During pollination, pollen grains move from the
- anthers to the stigma
 - ovary to the ovules
 - petals to the stigma
 - stigma to the anther
21. The teeth used in chewing food are
- premolars and canines
 - premolars and molars
 - molars
 - premolars, incisors and canines

22. Which of the following disease is spread through air?
- Malaria
 - Cholera
 - Sleeping sickness
 - Whooping cough
23. Which of the following is **not** part of the female reproductive system?
- Uterus
 - Testis
 - Ovaries
 - Oviduct
24. The diagram below shows a tooth. It is used for

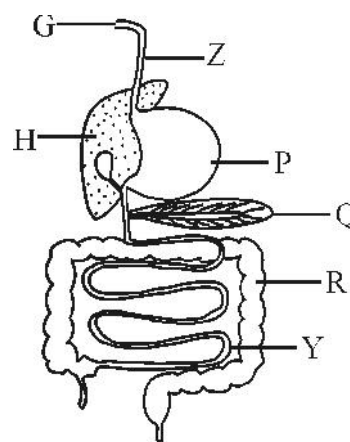


- grinding
 - chewing
 - crushing
 - biting
25. The following are characteristics of a group of animals:
- They breath by means of spiracles
 - They have 3 pairs of legs
 - They lay eggs
 - They complete metamorphosis
 - They have 3 body parts

Which of the following animal is **not** described?

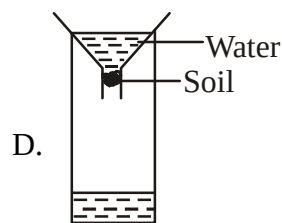
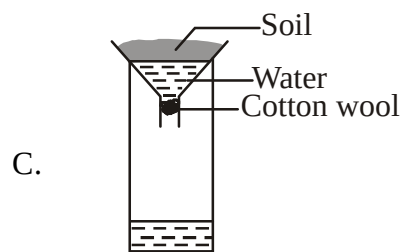
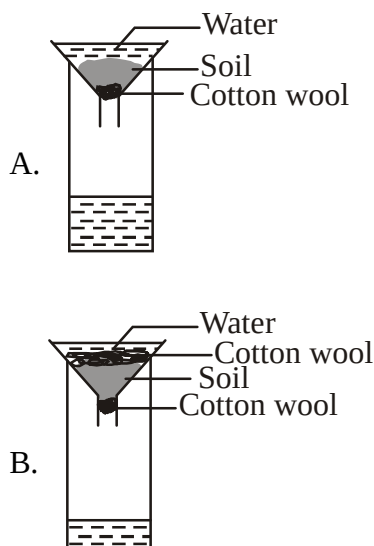
- Cockroach
 - Moth
 - Butterfly
 - Bee
26. Which of these groups of food makes a balanced diet?
- Spinach, ugali, pork, mangoes
 - Beans, oranges, chicken
 - Ugali, eggs, beef
 - Spinach, chapati, rice, bananas

The diagram shows the alimentary canal. Use it to answer questions 27 - 28

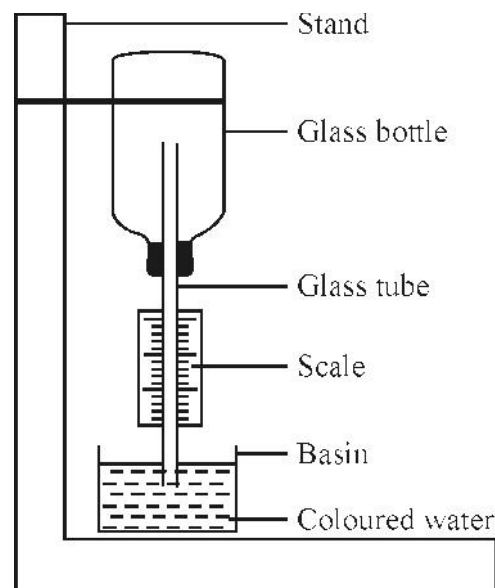




27. The absorption of digested food take place in the part marked
A. H B. P
C. R D. Y
28. The digestion of carbohydrates start in the part marked
A. P B. G
C. Q D. Y
29. Loss of water through the stomata of the leaves is called
A. osmosis B. photosynthesis
C. transpiration D. respiration
30. The body's ability to fight diseases is called
A. syndrome B. protection
C. immunity D. deficiency
31. Which one of the following is **not** important to consider when taking medicine?
A. The dose
B. The date of expire
C. The date of manufacture
D. How to store the medicine
32. After eating some food particles stick between the teeth and if not cleaned they rot to form a rough layer called
A. gum B. cavities
C. decay D. plague
33. Which one of the following is **not** a physical change which is experienced during adolescence?
A. Pubic hair grows B. Breasts develop
C. Becoming moody D. The voice breaks
34. Which one of the diagrams below represents the correct set-up that is used to compare drainage of water in different types of soils?



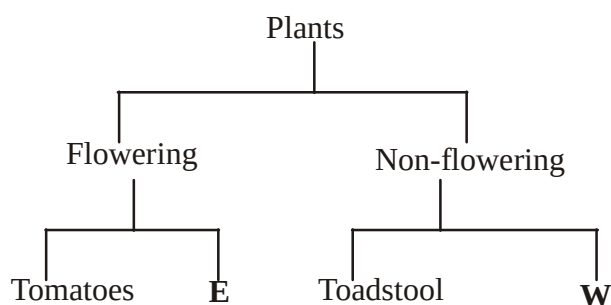
35. BCG is a vaccine given to children against which disease?
A. Diptheria B. Tuberculosis
C. Malaria D. Hepatitis
36. The following are communicable diseases except one. Which one is it?
A. Malaria B. Whooping cough
C. Rickets D. Tuberculosis
37. Birds kept for meat, eggs or both are referred as
A. broilers B. layers
C. bro-layers D. poultry
38. Which instrument is used to measure mass?
A. Spring balance
B. Beam balance
C. Gram balance
D. Weights
- 39.





The working of the above instrument is based on the fact that

- A. gases exert pressure
 - B. gases expand when heated and contract when cooled
 - C. gases rise in narrow tubes
 - D. liquids expand when heated and contract when cooled
40. A certain animal lay eggs, has scales and the body temperature varies with the surroundings. The animal is likely to be a
- A. duck
 - B. toad
 - C. snake
 - D. duck-billed platypus
41. Clouds are grouped according to their appearance, height and
- A. size
 - B. colour
 - C. movement
 - D. shape
42. Some curative drugs are also called
- A. painkillers
 - B. stimulants
 - C. vaccines
 - D. antibiotics
43. The chart below represents a simple classification of plants.



Which plants are represented by **E** and **W**?

- | E | W |
|-----------|----------|
| A. Moss | Mushroom |
| B. Grass | Banana |
| C. Fern | Moss |
| D. Banana | Fern |
44. Heat travels in solids through
- A. conduction
 - B. convection
 - C. radiation
 - D. expansion

45. A type of grass that is cut and stored after it has flowered is called
- A. silage
 - B. commercial feed
 - C. concentrate
 - D. hay
46. A std four pupils of Gama primary school set up the experiment below:
- (i) Collected some garden soil
 - (ii) Put the soil in a tin and covered with a lid
 - (iii) Heat the tin for 10 minutes
 - (iv) Lifted the lid after 10 minutes

What were they investigating?

- A. Soil has water
 - B. Soil is in water
 - C. Soil has air
 - D. Soil has organic matter
47. The following are methods used for weed control. Which one is the **best** method?
- A. Mulching
 - B. Using chemicals
 - C. Slashing
 - D. Digging them out
48. Bile mixes with food in the
- A. duodenum
 - B. Large intestine
 - C. Stomach
 - D. Small intestine
49. The **best** method for making water safe for drinking is by
- A. boiling, addition of chemicals
 - B. addition of chemicals, filtration
 - C. filtration, decantation
 - D. decantation, boiling
50. Which of the following plants store food in the roots?
- A. Banana
 - B. Onions
 - C. Groundnuts
 - D. Cassava