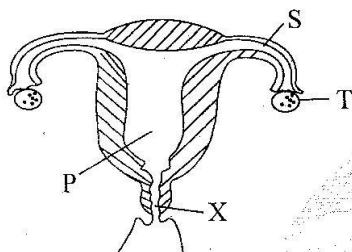


CLASS 8 END TERM 3 DECEMBER 2021

SCIENCE

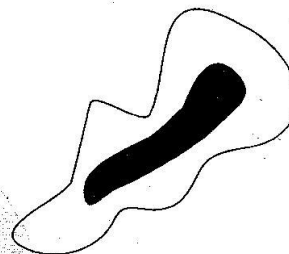
- The stage of HIV infection where the patient starts showing signs of AIDS is known as
A. Incubation stage.
B. Symptomatic stage.
C. Full blown AIDS.
D. Window stage.
- The diagram below shows the female reproductive system



In which of the labelled parts does fusion of the male and female sex cells occur?

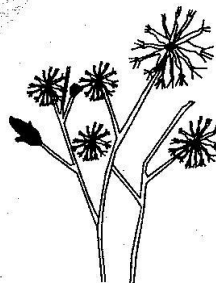
- A. P B. X
C. T D. S
- The following are signs and symptoms of a certain sexually transmitted infection:
(i) Infertility if not treated
(ii) Pain in the lower abdomen in females
(iii) Testicles swelling
(iv) Pain when passing urine
(v) Yellowish discharge from penis
Which sexually transmitted infection has the above signs and symptoms?
A. Gonorrhoea. B. Syphilis.
C. Genital herpes. D. Chancroid.
- The following are proper ways of storing medicine **except**
A. not keeping syrup in soda bottles
B. locking medicine kits.
C. keeping medicine out of reach of children.
D. taking medicine according to doctor's instructions.

- Which of the following is a social effect of abusing drugs?
A. Blackout. B. Withdrawal.
C. Rape. D. Fits.
- Animals depend on plants for the following **except** one. Which one?
A. Oxygen. B. Food.
C. Pollination. D. Medicine.
- The diagram below shows a certain blood component



It is most likely to be

- A. red blood cell B. white blood cell
C. platelet D. plasma.
- Identify the weed drawn below



- A. Oxalis. B. Black jack
C. Sodom apple. D. Pigweed.
- Which pair below consists of field pests **only**?
A. White ant and weevil.
B. Weevil and mouse.
C. Stalkborer and weaver bird.
D. Rodent and white ant.

10. The following are methods of controlling human intestinal worms **except**
- proper diet.
 - proper cooking of food.
 - regular deworming.
 - proper sanitation.
11. Which of the following is **not** an effect of parasites on livestock?
- Poor health.
 - Blood in stool.
 - Irritation.
 - Anaemia.
12. The following sources of electricity work the same way a bicycle dynamo **except**
- solar panel.
 - wind driven generator
 - geothermal generator
 - hydroelectric generator.
13. The diagram below shows a beak of a certain bird

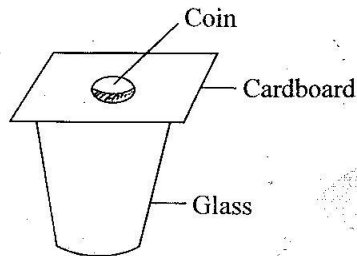


It is most likely to be

- filter feeder.
 - nectar feeder.
 - grain eater.
 - flesh eater.
14. Lungworms are found in the
- small intestines only.
 - liver and small intestines.
 - lungs and liver.
 - brain, lungs and stomach.
15. Which of the following is **not** a sign or symptom of kwashiorkor?
- Swelling of the stomach.
 - Bones protruding under the skin.
 - Lacking strength to play.
 - Poor appetite.
16. Which of the following is both a modern and traditional method of preserving food?
- Drying.
 - Smoking.
 - Salting.
 - Canning.
17. Which of the following shows the sixth and the third planets in the solar system respectively?
- Jupiter, earth.
 - Saturn, mars.
 - Neptune, mars.
 - Saturn, earth.

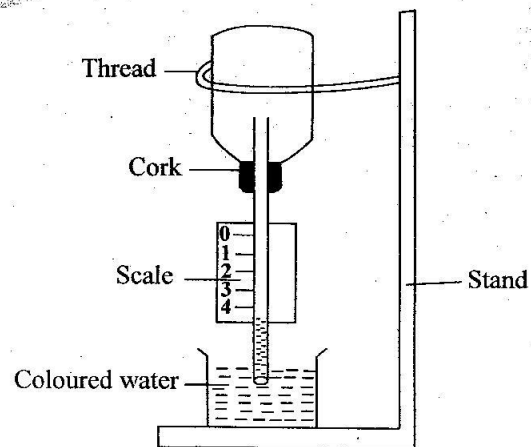
18. Which of the following shows the reason why a pregnant mother requires food rich in iron?
- For strong bones of the baby.
 - To maintain high level of amniotic fluid.
 - For formation of blood for the baby and the mother.
 - To prevent dehydration.
19. Which of the following shows the energy transformation in burning fuels?
- Chemical → electrical → heat → light
 - Chemical → heat → light
 - Chemical → heat → kinetic
 - Chemical → electrical → magnetic
20. Which of the following is a renewable form of energy?
- Natural gas.
 - Diesel.
 - Biogas.
 - Petrol.
21. Which one does **not** show a way of controlling air pollution?
- Not smoking cigarettes.
 - Treating sewage.
 - Reducing use of farm chemicals.
 - Treating waste industrial gases.
22. Std. 5 pupils collected the following materials for their practical lesson:
- | | |
|--------------|----------------|
| (i) Wax | (ii) Stand |
| (iii) Candle | (iv) Match box |
| (v) Pins | (vi) Metal rod |
- What were they likely to investigate during the practical lesson?
- Convection in liquids.
 - Expansion in solids.
 - Good and poor conductors of heat.
 - Conduction of heat in solids.
23. Std. 7 pupil wrote the word BLACK on a paper and placed it in front of a mirror. How did it appear on the mirror?
- | | |
|----------|----------|
| A. KƆAJB | B. XCAJB |
| C. XƆAJB | D. KCALB |
24. Which one is an adaptation of animals that move by leaping?
- Strong hind legs.
 - Streamlined body.
 - Have wings.
 - Have webbed feet.

25. Which pair of animals below shows omnivores **only**?
 A. Chimpanzee and dog.
 B. Pig and human beings.
 C. Lion and hyena.
 D. Zebra and giraffe.
26. Which material below will attract a magnet?
 A. Silver. B. Aluminium.
 C. Copper. D. Steel.
27. A std 7 pupil set up an experiment shown below



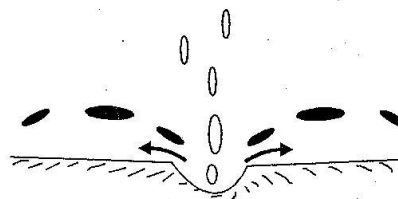
- What happened to the coin when the cardboard was pushed?
- A. It remained on the cardboard.
 B. It fell outside the glass.
 C. It fell inside the glass.
 D. It broke the glass.
28. Which statement is true about canine teeth?
 A. Are eight in total in adult's mouth.
 B. Are the first to grow.
 C. Are used for gripping food.
 D. Are found between premolars and molars.
29. Which of the following occurs in both adolescent boys and girls?
 A. Menstrual flow.
 B. Enlargement of breasts.
 C. Voice breaking.
 D. Increase in weight and height.
30. The following are straight fertilizers **except** one. Which one?
 A. Urea.
 B. Calcium ammonium nitrate.
 C. Diammonium phosphate.
 D. Double super phosphate.
31. Which two nutritional deficiency diseases are caused by lack of minerals in the body?
 A. Rickets and anaemia.
 B. Kwashiorkor and marasmus.
 C. Anaemia and kwashiorkor.
 D. Marasmus and rickets.

32. Which one is **not** a symptom of food poisoning?
 A. Feeling weak and dizzy.
 B. Abdominal pain.
 C. Diarrhoea.
 D. Paleness of the body.
33. Mr. Kamau rears sheep and goats at home. Which type of organic manure is he likely to make?
 A. Compost manure.
 B. Green manure.
 C. Farmyard manure.
 D. Organic mulches.
34. Which is the best method of managing plastic wastes at home?
 A. Recycling them.
 B. Reusing them.
 C. Burning them.
 D. Burying them deep in soil
35. Which group of food given below is made up of protective food **only**?
 A. Beans, maize, milk.
 B. Tomato, carrot, guava.
 C. Yam, peas, cabbage.
 D. Green banana, kales, orange.
36. The diagram below shows a certain weather measuring instrument



- The instrument works on the principle that
- A. liquids expand when heated.
 B. matter occupies space.
 C. water exerts pressure.
 D. air contracts when cooled.

37. Which one of the following is **not** a change of state of matter?
 A. Cooling water to make ice.
 B. Heating cooking fat to get oil.
 C. Cooling air to get water.
 D. Grinding solid to get powder.
38. Which is the brightest and hottest planet in the solar system?
 A. Mars.
 B. Mercury.
 C. Venus.
 D. Jupiter.
39. In raingauge amount of rainfall is measured in units called
 A. millimetres.
 B. litres.
 C. millibars.
 D. millilitres.
40. Ships and other vessels may cause water pollution **mainly** by
 A. releasing raw sewage into water.
 B. causing oil spillage into water.
 C. causing acid rain.
 D. releasing farm chemicals into water.
41. Which of the following is **not** a sign or a symptom of bilharzia?
 A. High fever.
 B. Blood in stool and urine.
 C. Pain in muscles and joints.
 D. Itchiness in bladder.
42. Which one of the following birds is most likely to be found in a flower garden?
 A. Sunbird. B. Eagle.
 C. Chicken. D. Duck.
43. When conducting an experiment to investigate the rate of water retention in different types of soil, which of the following need not to be kept equal?
 A. Volume of water.
 B. Time duration.
 C. Size of soil particles.
 D. Size of funnels.
44. Which of the following is **not** a macronutrient majorly needed by plants?
 A. Phosphorus.
 B. Nitrogen.
 C. Potassium.
 D. Iron.
45. Which one of the following places is most likely to cause high growth of water plants in near a river?
 A. Garage.
 B. Factory.
 C. Market centre.
 D. Maize farm.
46. Which part of a flower protects the inner parts during bud stage?
 A. Petals.
 B. Anther.
 C. Flower stalk.
 D. Sepals.
47. Which of the following is **not** a characteristic of reptiles?
 A. Varying body temperature.
 B. Laying unfertilized eggs.
 C. Breathing through lungs.
 D. Scales on the body.
48. The following are ways in which water is used for recreation **except** one. Which one?
 A. Sport fishing.
 B. Swimming.
 C. Boat racing.
 D. Making fountains.
49. Std. 4 pupils heated a sample of soil in a glass covered with a lid. Which component of soil were they investigating?
 A. Organic matter.
 B. Air.
 C. Moisture.
 D. Mineral salts.
50. Which is the best method of controlling the type of soil erosion illustrated below?



- A. Building gabions.
 B. Planting grass.
 C. Terracing.
 D. Contour farming.