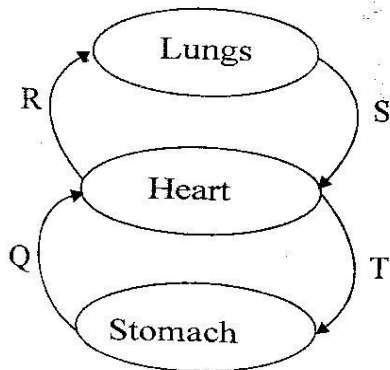


1. Which one of the following is **not** a function of the placenta?
 - A. Allows the passage of the dissolved food materials to the foetus.
 - B. Allows the exchange of gases between the foetus and the mother.
 - C. Prevents harmful materials from reaching the embryo.
 - D. Protects the embryo from bumps and shocks.
2. The diagram below represents the blood circulatory system

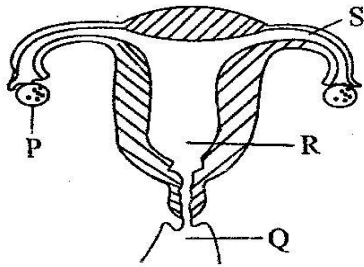


Which two of the above vessels carry oxygenated blood?

- A. T and R
 - B. Q and R
 - C. S and T
 - D. S and Q
3. Which one of the following activities does **not** take place in the mouth?
 - A. Production of the saliva.
 - B. Crushing down of food into small particles.
 - C. Mixing of food before swallowing.
 - D. Production of gastric juice.
 4. HIV and AIDS can be prevented by all the following methods **except**
 - A. taking ARVs.
 - B. blood screening.
 - C. abstaining.
 - D. being faithful to one partner.

5. A doctor advised a patient to eat the following foods
 - (i) Milk
 - (ii) Green vegetables
 - (iii) Liver
 The patient was likely to be suffering from
 - A. Anaemia.
 - B. Kwashiorkor.
 - C. Marasmus.
 - D. Rickets.
6. Three of the following are methods of rotational grazing in livestock **except**
 - A. paddocking.
 - B. strip grazing.
 - C. herding.
 - D. tethering.
7. Exchange of carbon dioxide and oxygen occurs in which part of the body?
 - A. Lungs and heart.
 - B. Lungs.
 - C. Kidneys.
 - D. Heart.
8. What is the **main** reason why fibre is included in the diet?
 - A. Helps in absorption of water.
 - B. Helps transport digested food.
 - C. Helps in digestion of food.
 - D. Helps prevent constipation.
9. Which of the following statements is true?
 - A. Some green plants do not produce flowers.
 - B. Mosses are green plants that do not make their own food.
 - C. A fern is a green plant that does not make its own food.
 - D. Algae are green plants that can grow in water.
10. Which one of the following is a social effect of drug abuse?
 - A. Slurred speech.
 - B. Truancy.
 - C. Poor judgement.
 - D. Mental instability.

11. The diagram below shows a female reproductive system. Study it and answer the question that follows



The male and female sex cells fuse at the part marked

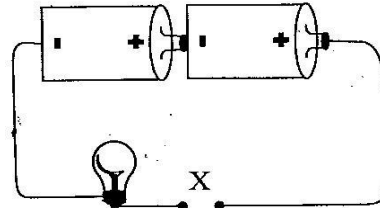
- A. P B. Q C. R D. S
12. The following materials are translucent **except**
- A. frosted glass. B. windscreen.
C. skylight. D. oiled paper.
13. Which one of the following is **not** a method of controlling soil erosion?
- A. Mulching.
B. Planting cover crops.
C. Construction of porous dams.
D. Ploughing along the slope.
14. The flukes that cause bilharzia **mainly** cause itchiness in the
- A. liver and intestines.
B. bladder and intestines.
C. kidney and pancreas.
D. stomach and bladder.
15. The diagram below represents the beak of a certain bird.



The bird is most likely to feed on

- A. nectar. B. grains.
C. flesh. D. insects.
16. Which one of the following sources of electricity does not work the same as others?
- A. Wind turbines.
B. Bicycle dynamo.
C. Solar panel.
D. Geothermal generator.

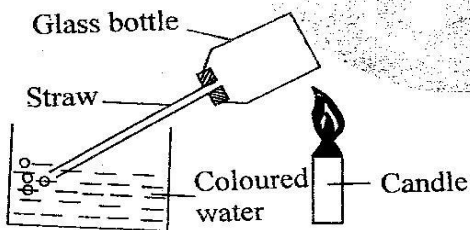
17. Which of the following activities is the first step of making a beam balance?
- A. Suspending the arm to find the balancing point.
B. Fixing the stand and the arm to the base.
C. Suspending tins on both sides of the arm.
D. Making a base, a stand and the arm.
18. Study the set-up shown below.



Which one of the following materials when used to connect the wires at part X would not make the bulb light?

- A. Steel wool. B. Pencil graphite.
C. Razor blade. D. Cotton wool.
19. Which of the following types of food can be preserved by both smoking and use of low temperature?
- A. Beef. B. Kales.
C. Maize. D. Sugarcane.
20. Which of the following is likely to cause damages to corrugated iron sheet on buildings?
- A. Use of artificial fertilizers.
B. Gases from industries.
C. Raw sewage smell.
D. Flood.
21. What is the role of wood ash in the preparation of compost manure?
- A. Providing food for the bacteria.
B. Increasing the decomposition rate.
C. Introducing bacteria.
D. Adding potassium and phosphorus.
22. Which one of the following statements is **not** true about hard water?
- A. It forms scum with soapy water.
B. It is good for drinking.
C. It lathers easily with soap.
D. It forms scales in boilers.
23. Birds that fly have the following adaptations **except**
- A. hollow bones.
B. powerful hindlegs.
C. streamlined body.
D. wings for flapping against air.

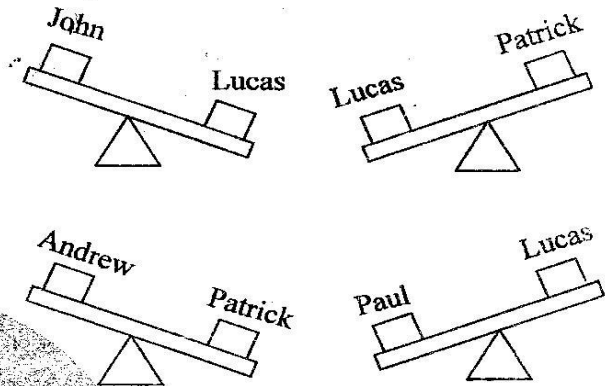
24. Roundworms attack all the following internal parts of livestock **except**
 A. small intestines. B. stomach.
 C. liver. D. lungs.
25. Three of the following are signs of unhealthy crops **except**
 A. streaks or spots.
 B. stunted growth.
 C. wilting.
 D. reduced quality of produce.
26. Which one of the following shows the third, sixth and eighth planets respectively?
 A. Mars, Earth, Neptune.
 B. Earth, Saturn, Neptune.
 C. Earth, Neptune, Saturn.
 D. Saturn, Earth, Neptune.
27. What is the main reason why a rain gauge is raised 30cm above the ground level? To
 A. collect more rain water.
 B. prevent evaporation of the collected water.
 C. collect rainwater easily.
 D. prevent the splashed water from getting into the funnel.
28. Which one of the following is **not** a preventive measure for tuberculosis?
 A. Drinking boiled milk.
 B. Living in well ventilated rooms.
 C. Drinking boiled water.
 D. Avoiding dusty places.
29. The set up below was done by std. 5 pupils to investigate the effects of heat on matter.



Which of the following was their immediate observation?

- A. The level of water in the straw rose.
 B. Bubbles of air were seen.
 C. The level of water in the container rose.
 D. The level of water dropped in the straw.
30. Which of the following simple machines has the effort between the fulcrum and load when in use?
 A. Wheelbarrow. B. Crowbar.
 C. Claw hammer. D. Spade.

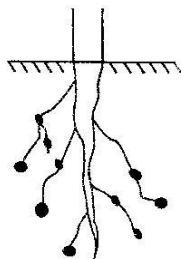
31. Which of the following diseases **cannot** be prevented through immunization?
 A. Tuberculosis and whooping cough.
 B. Typhoid and polio.
 C. Yellow fever and diphtheria.
 D. Polio and bilharzia.
32. Which of the following animals have their bodies covered with soft moist skin?
 A. Toad, gecko. B. Frog and toad.
 C. Newt and fish. D. Turtle and bat.
33. Std. 5 pupils were balancing on a sea-saw during a P.E lesson as follows



Who was the heaviest?

- A. John. B. Paul.
 C. Andrew. D. Patrick.
34. Which one of the following parts of the plant is used by the carnivorous plants to obtain their food?
 A. Stems. B. Leaves.
 C. Roots. D. Flowers.
35. Cirrhosis is a disease of liver which is commonly caused by excessive
 A. chewing of miraa.
 B. drinking alcohol.
 C. inhaling of cobbler's glue.
 D. smoking of tobacco.
36. Which one of the following is a method of controlling internal livestock parasites?
 A. Picking. B. Deworming.
 C. Dipping. D. Spraying.
37. Which one of the following crop pests is **correctly** matched with the part of plant it attacks?
 A. Weaver birds - leaves.
 B. Aphids - grains.
 C. Rodents - leaves.
 D. Cutworms - stem.

38. Animals adapted to leaping and hopping have
 A. hollow bones.
 B. strong hind limbs.
 C. strong front limbs.
 D. streamlined body.
39. Friction is mostly needed when
 A. walking down the hill.
 B. rotating the axle of a machine.
 C. moving crates of soda along a floor.
 D. pushing a wheelbarrow.
40. Three of the following animals are invertebrates **except**
 A. spiders. B. centipede.
 C. slug. D. lizard.
41. Which of the following assist in soil aeration?
 A. D.A.P
 B. Compound fertilizer.
 C. Straight fertilizer.
 D. Organic manure.
42. The toothless gap on the upper jaw of the herbivorous animals help the animal is
 A. for holding food tightly against incisors when cutting grass.
 B. for grinding and chewing food.
 C. for turning vegetable materials for proper chewing.
 D. for cutting the grass.
43. Which one of the following processes does **not** require oxygen?
 A. Rusting. B. Germination.
 C. Burning. D. Photosynthesis.
44. Which statement is **not** correct about a plant with the below root system?



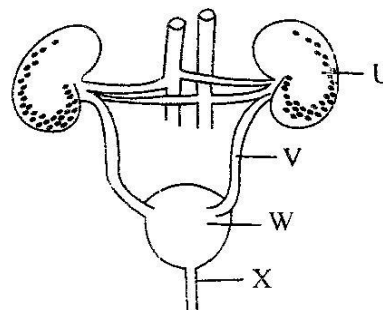
- A. The leaves of the plant have network vein.
 B. Its seed has one cotyledon.
 C. It stores its food in the cotyledon.
 D. The plant is leguminous.

45. Which statement below is **true**?
 A. Right ventricle pumps blood to other body parts.
 B. The right auricle receives blood from the lungs.
 C. The left auricle receives oxygenated blood from the lungs.
 D. The left ventricle pumps blood to the lungs.
46. Which of the following plants stores food at the same part as irish potatoes?
 A. Sugarcane. B. Cassava.
 C. Sweet potato. D. Carrot.
47. Which one of the following is an adaptation of a duck and a frog on movement?
 A. Strong hind legs. B. Webbed feet.
 C. Hollow bones. D. Wings.
48. Which of the following indicates the three colours of the rainbow from the bottom?
 A. Red, yellow, green.
 B. Violet, indigo, blue.
 C. Yellow, green, indigo.
 D. Red, orange, yellow.
49. Identify the blood component drawn below



- A. White blood cells. B. Platelet.
 C. Red blood cell. D. Capillary.

50. Use the diagram below to answer the question that follows.



- The correct names for the parts U, V, W, X are
- | | | | |
|-----------------|---------|---------|----------|
| U | V | W | X |
| A. Left kidney | Ureter | Bladder | Urethra. |
| B. Right kidney | Ureter | Bladder | Urethra. |
| C. Left kidney | Urethra | Bladder | Ureter. |
| D. Right kidney | Urethra | Bladder | Ureter. |