

**CLASS 7 MID TERM 3 DECEMBER 2021
SCIENCE**

1. Which one of the following is **not true** about drugs?
- A. Medicines are drugs.
B. Some drugs are poisonous.
C. Certain drugs are obtained from plants.
D. All drugs are narcotics.

2. The following are some methods of preserving food.

- i) *Canning.*
ii) *Use of low temperatures.*
iii) *Freezing.*
iv) *Drying.*
v) *Smoking.*

Which set of methods is traditional?

- A. ii, iv, v B. i, ii, v
C. iii, iv, v D. i, ii, iv
3. Below is an illustration of a food chain.

Plants → Antelope → Leopard → Vulture

Secondary consumers are represented by

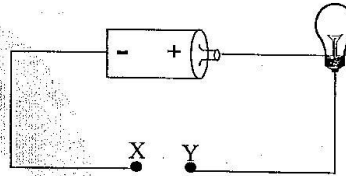
- A. antelope B. leopard
C. plants D. vulture
4. The soil that cracks when dry is **likely** to
- A. make short ribbons.
B. have poor drainage.
C. have low capillarity.
D. large air space.
5. Goats give us all the following **except**
- A. milk B. mutton
C. skin D. wool
6. Which one of the following is **not** a water pollutant?
- A. Oil spillage B. Floods
C. Aerosols D. Farm chemicals

7. From the table below, which disease is **not** matched with its cause?

<u>Disease</u>	<u>Lack of</u>
A. Anaemia	Iron
B. Marasmus	Starvation
C. Rickets	Calcium
D. Kwashiorkor	Carbohydrates

8. Which one of the following is a minor component of the environment?
- A. Water B. Light
C. Soil D. Air

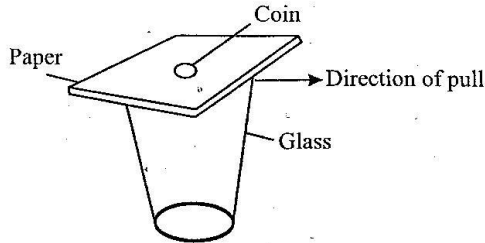
9. Below is a diagram showing an incomplete circuit.



Which one of the following materials **cannot** be used to complete the circuit at point XY.

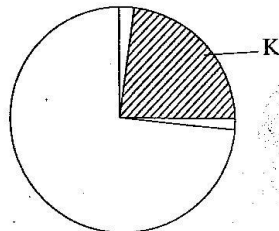
- A. Iron nail
B. Steel wire
C. Aluminium spoon
D. Plastic comb
10. Which one of the following is **not** a social effect of drug abuse?
- A. Convulsions B. Truancy
C. Accidents D. Rape
11. The clouds that look like bundles of cotton wool are also **likely** to
- A. be dark grey in colour.
B. be found low in the sky.
C. be a sign of fine weather.
D. be a sign of heavy rainfall.

12. The diagram below shows an experiment carried out by standard 6 pupils during their Science lesson.



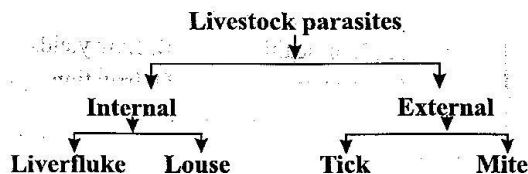
The pupils were investigating

- A. inertia of rest.
 B. inertia of motion.
 C. stability of coin.
 D. weight of coin.
13. The diagram below shows the various components of air.



The gas marked **K** is not needed during

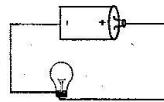
- A. burning B. making proteins
 C. rusting D. germination
14. Plants do not depend on others for
- A. support B. nutrient
 C. shade D. habitat
15. When preparing a compost heap, which layer is added to help feed decomposers?
- A. Farmyard manure B. Ash
 C. Top soil D. Kitchen waste
16. The chart below shows classification of livestock parasites.



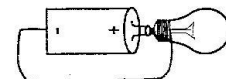
Which parasite is **wrongly** classified?

- A. Liverfluke B. Tick
 C. Louse D. Mite

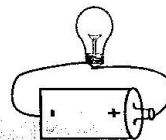
17. A child who cries often and has a wrinkled face is also **likely** to
- A. have bow legs.
 B. lack blood.
 C. have swollen abdomen.
 D. look like an old person.
18. Which component of the environment covers the largest earth's surface?
- A. Air B. Water
 C. Soil D. Plants
19. Which two gases dissolve to form acid rain?
- A. Hydrogen and nitrogen.
 B. Oxygen and carbon dioxide.
 C. Sulphur dioxide and carbon dioxide.
 D. Sulphur dioxide and oxygen.
20. Four pupils in class 7 each made a simple circuit and made the following connections.



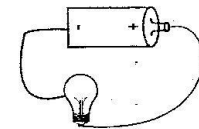
Abdi



Wafula



Kamau

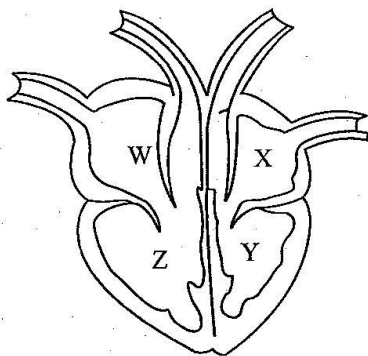


Ouma

Which pupil made the **wrong** connections and the bulb did not light?

- A. Abdi B. Wafula
 C. Kamau D. Ouma
21. The following are fields pests **except**
- A. White ants B. Cutworms
 C. Aphids D. Weaver bird
22. Which of the following liquids are miscible?
- A. Milk and water.
 B. Cooking oil and water.
 C. Methylated spirit and kerosene.
 D. Petrol and milk.

23. The function of platelets is to
 A. fight germs.
 B. carry carbon dioxide.
 C. help in clotting of blood.
 D. carry digested food.
24. If the arrowhead of a windvane is pointing towards North the wind is blowing from
 A. South B. North
 C. East D. West
25. The force of gravity acting on an object is its
 A. mass B. volume
 C. size D. weight
26. Roundworms in livestock are **not** found in the
 A. stomach B. liver
 C. small intestines D. lungs
27. Which one of the following is a safety measure against lightning when it is raining?
 A. Wearing rubber shoes.
 B. Swimming.
 C. Leaning against walls.
 D. Sheltering under trees.
28. The following diagram shows a human heart.



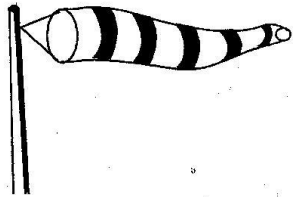
- Which part receives blood from the lungs?
 A. W B. Z
 C. Y D. X
29. Which one of the following consists of foods that are **mainly** for body building?
 A. Beef, cassava, potatoes.
 B. Carrots, bananas, peas.
 C. Beans, termites, eggs.
 D. Mutton, maize, beans.

30. Which of the following mixtures can be separated by use of a magnet?
 A. Aluminium and copper.
 B. Iron and silver.
 C. Iron and chromium.
 D. Cobalt and steel.
31. The following are myths and misconceptions about HIV and AIDS **except**
 A. AIDS is a curse from God.
 B. only drug users can get HIV.
 C. AIDS is caused by witchcraft.
 D. AIDS is caused by HIV.
32. The diagram below shows a scarecrow used to control pests.



- Which pair of pests can be controlled by the above?
 A. Monkeys and aphids.
 B. Birds and squirrels.
 C. Mice and moles.
 D. Weaver bird and locust.
33. Which one of the following is a nitrogenous fertilizer?
 A. Bone meal.
 B. Single superphosphate.
 C. Urea.
 D. Double superphosphate.
34. The stage of HIV infection where a patient tests positive but shows no signs and symptoms is
 A. window stage. B. symptomatic stage.
 C. full blown stage. D. incubation stage.
35. Which one of the following is **not** an effect of parasites on livestock?
 A. Poor health B. Low yields
 C. Anaemia D. Irritation
36. Which of the following is **not** a method of conserving water?
 A. Construction of dams.
 B. Re-using water.
 C. Using sprinkler irrigation.
 D. Mulching.

37. The diagram below shows a windsock.

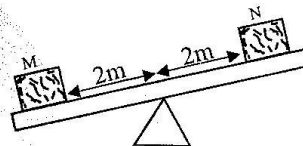


- Which statement is **true** about the instrument above?
- A. It is open at both ends.
 B. It is painted black and white for durability.
 C. It is kept near buildings and trees.
 D. It measures the direction of wind only.
38. Which one of the following methods of controlling livestock parasites can be used to control all parasites?
- A. Dipping B. Spraying
 C. Deworming D. Rotational grazing
39. The following are recreational uses of water. Which one is **not**?
- A. Boat racing B. Swimming
 C. Making fountains D. Sport fishing
40. Which one of the following is a factor that makes a boat to float on water?
- A. Material B. Shape
 C. Size D. Weight
41. Which one of the following is a source of electricity?
- A. Solar panel B. Radio
 C. Dam D. Bulb
42. Standard five pupils heated some garden soil. Smoke was produced. The observation made indicated the presence of
- A. air B. mineral particles
 C. organic matter D. water
43. The diagram below shows a type of tooth in man. Which statement is **not** true about it?



- A. It is used for grinding and chewing food.
 B. It is a molar.
 C. It is the last to be shed off.
 D. They are six in each jaw.

44. In the human digestive system, water and mineral salts are absorbed in the
- A. small intestine. B. large intestine.
 C. duodenum. D. rectum.
45. The following are some of the physical changes that take place during adolescence.
- i) *Hips become broader.*
 ii) *Chest and shoulders become broader.*
 iii) *Pimples may appear on the face.*
 iv) *Voice breaks.*
 v) *Pubic hair grows.*
 vi) *Menstruation starts.*
- Which of the above changes takes place in girls **only**?
- A. (i), (iii), (v) and (vi)
 B. (ii), (iii), (v) and (vi)
 C. (i), (iv), (v) and (vi)
 D. (ii), (iii), (iv) and (vi)
46. Standard 5 pupils were balancing equal masses M and N on a see saw as shown below.



- What should be done in order to balance the two items?
- A. M to be moved near the fulcrum.
 B. M to be moved away from the fulcrum.
 C. N to be moved towards the fulcrum.
 D. N to be moved on the fulcrum.
47. Which one of the following of crops consists of legumes **only**?
- A. Beans, tomatoes, peas.
 B. Simsim, maize, rice.
 C. Corn, cashewnuts, wheat.
 D. Groundnuts, peas, beans.
48. Which one of the following is **true** about sound?
- A. Sound cannot be reflected.
 B. Sound travels faster in metals than in water.
 C. Sound can travel through vacuum.
 D. Echo is refracted sound.
49. The second DPT vaccine is given to the baby at
- A. 6 weeks B. 10 months
 C. 10 weeks D. 14 weeks
50. Which of the following types of matter has a definite volume but no definite shape?
- A. Toothpaste B. Smoke
 C. Sand D. Oxygen