

KCPE ASSESSMENT ONE



STANDARD EIGHT
FIRST TRIAL - 2020

8

TIME: 1HR 40MINS

SCIENCE

READ THESE INSTRUCTIONS CAREFULLY

1. You have been given this question booklet and a separate answer sheet. The question paper contains 50 questions.
2. Do any necessary rough work in this booklet.
3. When you have chosen your answer, mark it on the **ANSWER SHEET**, not in this question booklet.

HOW TO USE THE ANSWER SHEET

4. Use an ordinary pencil only.
5. Make sure you have written on the answer sheet.
6. By drawing a dark line inside the correct numbered boxes mark your full Index Number (i.e. School Code Number and the three-figure Candidate's Number) in the grid near the top of the answer sheet.
7. Do not make any marks outside the brackets.
8. Keep the sheet as clean as possible and **DO NOT FOLD IT**.
9. For each of the questions 1-50 four answers are given. The answers are lettered **A, B, C, D**. In each case only **ONE** of the four answers is correct. Choose the correct answer.
10. On the answer sheet the correct answer is to be shown by drawing a dark line inside the box in which the letter you have chosen is written.

Example:-

In the question paper.

4. Which one of the following is NOT a controlled method of grazing?

- A. Zero grazing
- B. Strip grazing
- C. Herding
- D. Tethering

The correct answer is **C. (Herding)**.

On the answer sheet

4. [A] [B] [C] [D] **14.** [A] [B] [C] [D] **24.** [A] [B] [C] [D] **34.** [A] [B] [C] [D]

In the first set, the box with the letter C printed in it is marked.

11. Your dark line **MUST** be within the brackets.
12. For each question **ONLY ONE** bracket is to be marked in each of four brackets.

This Question Paper consist of 8 printed pages.

1. The following are function of skin. Which one is **not**?

- A. It is a sensory organ.
- B. Protection.
- C. Filter and excrete urine.
- D. Its a storage organ.

2. Which group of materials below has definite size but no define shape?

- A. Sand, stone, wool.
- B. Water, kerosine, milk.
- C. Air, water vapour, carbon dioxide.
- D. Ash, toothpaste, soil.

3. The following are signs and symptoms of a certain disease.

- (i) *Pain in the joint.*
- (ii) *headache.*
- (iii) *Vomiting.*
- (iv) *Fever*

The disease with above signs and symptoms can **best** be prevented by;

- A. destroying the breeding places for mosquitos.
- B. immunization
- C. eating balanced diet.
- D. avoid eating contaminated food and water.

4. An iron bowl float on water **mainly** due to;

- A. materials
- B. shape
- C. size
- D. mass

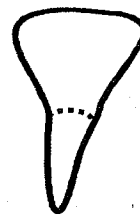
5. Which instrument below can be used to demonstrate effect of heat on matter?

- A. Windvane.
- B. Raingauge.
- C. Wind sock.
- D. Air thermometer.

6. Which one of the following animal feeds can **not** be fed on livestock under zero grazing?

- A. pasture
- B. fodder
- C. silage
- D. concentrates.

7. The diagram below shows a certain type of a tooth.



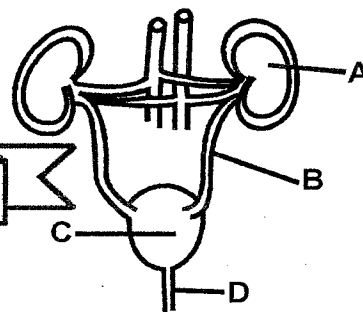
Which statement is **true** about the tooth above?

- A. It is never shed off.
- B. It is the last to grow in milk teeth.
- C. It is bread and chisel shaped.
- D. It is found between canine and premolars.

8. Which stage of HIV infection does the victim test negative but can infect other persons?

- A. Full blown.
- B. Asymptomatic.
- C. Window.
- D. Symptomatic.

The diagram below shows a certain excretory



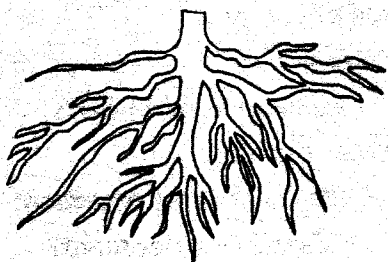
Name the part marked A, B, C and D respectively.

	A	B	C	D
A.	Right kidney	Ureter	Bladder	Urethra
B.	Left Kidney	Urethra	Blader	Ureter
C.	Right kidney	Blader	Ureter	Urethra
D.	Left kidney	Ureter	Blader	Urethra

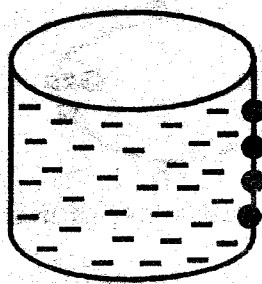
10. Which one of the following is an industrial use of water?

- A. Cooking.
- B. Irrigation.
- C. Washing farm tools.
- D. Fountain making.

11. Which of the following groups of plants have the type of roots shown below?



- A. Beans, grams, peas.
 B. Grass, barley, wheat.
 C. Avocado, sorghum, onion
 D. Pigweed, maize, cabbage
12. The transfer of heat through solids is called?
 A. Radiation.
 B. Expansion.
 C. Conduction
 D. Convection.
13. Grade Four pupils set-up an experiment as shown below.



Four pupils to get the correct conclusion, which of the following should be done?

- A. The container must be made of glass.
 B. Water container must be closed on the top.
 C. Water should be coloured.
 D. The distance between the holes should be the same.
14. Which of the following air components is correctly matched with its use?

	Component	Use
A.	Oxygen	Putting out fire
B.	Carbon dioxide	Food preservation
C.	Rare gases	Making soft drinks
D.	Nitrogen	Photosynthesis

15. Which of the following is **not** an interdependence between plants?

- A. Support.
 B. Habitat.
 C. Shade.
 D. Pollination.
16. Which one of the following are the third and fifth planet from the sun?
 A. Mars and Saturn.
 B. Venus and Jupiter.
 C. Earth and Jupiter.
 D. Mars and Saturn.

17. Which group of food below helps in removal of undigested food in the body?

- A. Fats and oil.
 B. Water
 C. Fruits and vegetables
 D. Milk and arrow roots

18. Which of the following is **not** an effects of parasites in livestock?

- A. Irritation.
 B. Poor health.
 C. Anaemia.
 D. High quality product

19. Which blood component is responsible for blood clotting?

- A. Platelets.
 B. White blood cells.
 C. Plasma.
 D. Red blood cells.

20. Why are the leguminous plants preferred when preparing green manure?

- A. They are rich in nitrate.
 B. They take long to decay.
 C. They release nutrients very fast.
 D. They release nitrogen to the air.

21. Livestock parasite can be controlled in the following ways **except**

- A. dipping
 B. spraying
 C. deworming
 D. using insecticides

22. The following are internal parasites, which one is **not**?

- A. Tapeworm
- B. Ringworms.
- C. Roundworms.
- D. Livefluke.

23. In which part of alimentary canal does the absorption of water and minerals take place?

- A. Small intestines.
- B. Stomach.
- C. Mouth
- D. Large intestines.

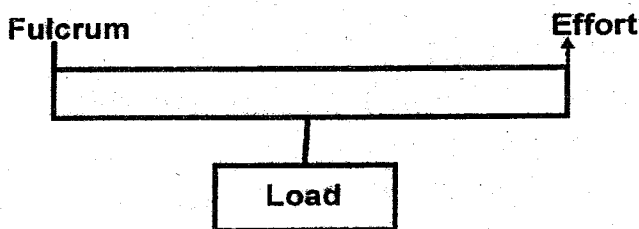
24. Which crop pest below sucks the sap in the leaves of the crops?

- A. Aphids.
- B. Stalk borers.
- C. Cutworms.
- D. Weevils.

25. Which one of the following is the best method of separating a mixture of large and small solids?

- A. Filtering.
- B. Evaporation.
- C. Use of magnet.
- D. Sieving.

26. The diagram below show a lever in use.



Which lever below is in the same class as the one drawn above?

- A. Spade.
- B. Claw hammer.
- C. Wheelbarrow.
- D. Fishing rod.

27. Which one of the following is a way of maintaining simple tools?

- A. Regular use of tools.
- B. Cleaning before use.
- C. Oiling and greasing wooden parts.
- D. Storing them properly.

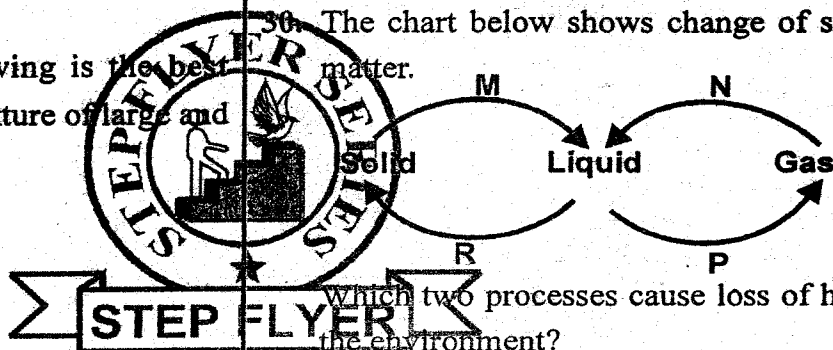
28. Which one of the following represent the correct order of foetal development?

- A. Baby → foetus → embryo → zygote.
- B. Zygote → embryo → foetus → baby.
- C. Foetus → embryo → zygote → baby.
- D. Embryo → zygote → foetus → baby.

29. Which pairs of food preservation below preserves food by dehydration?

- A. Drying and low temperature.
- B. Smoking and freezing.
- C. Salting and drying.
- D. Use of low temperature and freezing.

30. The chart below shows change of state of matter.



Which two processes cause loss of heat by the environment?

- A. M and P
- B. N and R
- C. M and N
- D. M and R

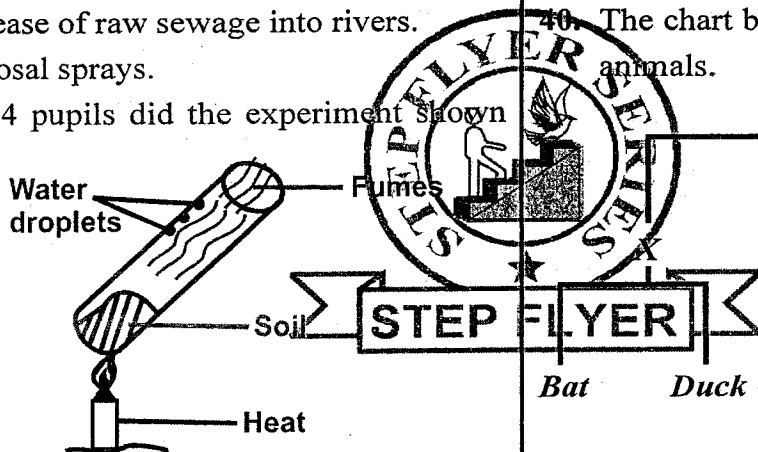
31. Which pairs of wastes is excreted by the lungs?

- A. Excess water and carbon dioxide.
- B. Excess water and urea.
- C. Carbon dioxide and urea.
- D. Carbon dioxide and salt.

32. Which one of the following does **not** help in water conservation?

- A. Construction of dams.
- B. Mulching.
- C. Water filtering.
- D. Recycling water.

33. Which one of the following is **not** a function of the placenta during the pregnancy?
- Facilitate the transport of physical from the foetus to mother.
 - Nourishing the foetus.
 - Prevent the baby from shock.
 - Facilitate the movement of oxygen from mother to the baby.
34. Which sexually transmitted infection below is **not** caused by the bacteria?
- Chancroid.
 - HIV and AIDS.
 - Syphilis.
 - Gonorrhoea.
35. Which one of the following activities does **not** cause water pollution?
- Excess use of farm chemical.
 - Oil spillage.
 - Release of raw sewage into rivers.
 - Aerosol sprays.
36. Grade 4 pupils did the experiment shown below.



From the experiment above, it is not **true** to conclude that;

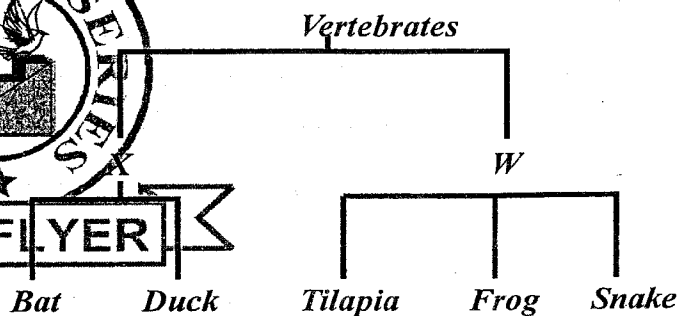
- soil has humus
 - soil has water
 - soil has air
 - the soil was obtained from garden.
37. The force that opposes motion can be reduced in the following ways **except**;
- smothering surface
 - oiling the surfaces
 - using rollers
 - treading the surface.

38. Std 5 pupils observed an animals with the following characteristics.

- Moist skin.*
- Lay eggs.*
- Breathing through lungs.*
- Cold blooded.*

The animals is **likely** to be

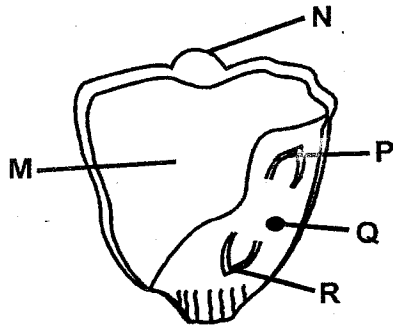
- duck
 - bat
 - platypus
 - salamander
39. Which one of the internal parasites below affects the small intestines of the animal?
- Hookworms.
 - Lungworms.
 - Liverfluke.
 - Roundworms.
40. The chart below shows the classification of animals.



The classification of X and W above was base on;

- feeding habits.
 - methods of reproduction.
 - presence of backbones.
 - body temperature.
41. Shallow V-shaped channels observed on steep bare land is **likely** to be
- Rill erosion.
 - Gulley erosion
 - Sheet erosion.
 - Splash erosion.

42. The diagram below shows a maize seed.



Which parts above shows the embryo of the seed?

- A. N and M B. P and R
C. Q and P D. Q and R

43. Std 6 pupils placed a glass of water near the window on a sunny day. They placed it on a white piece of paper. What were the pupils likely to be investigating?

- A. How light travels.
B. Formation of rainbow.
C. Refraction of light.
D. Reflection of light.

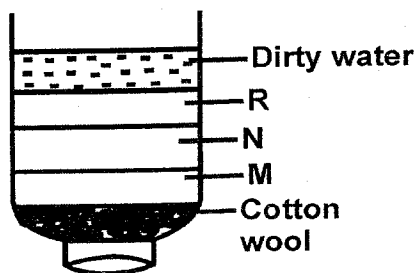
44. Which one of the following is not a part of the characteristics observed on a certain type of a cloud?

- A. Found high in the sky.
B. Dark grey in colour.
C. Indicate fair weather.
D. Flat base.

45. Which one of the following plants is green no-flowering plant?

- A. Pine. B. Cactus.
C. Sugar cane. D. Mushroom.

46. The figure below shows a home made water filter.



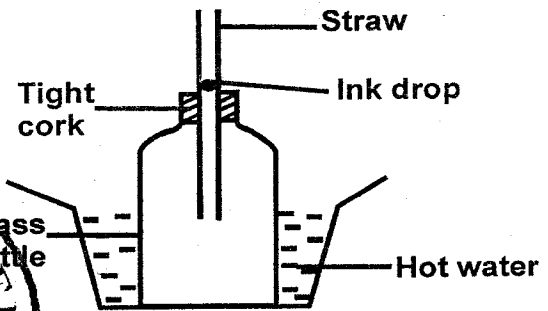
What is the function of the layer marked R?

- A. Remove colour.
B. Kills germs.
C. Trap organic matter.
D. Soften the hard water.

47. Which one of the following diseases is a child immunized against at the age of 6 weeks and 9 months respectively?

- A. 1st DPT and 3rd polio vaccines.
B. 1st DPT and measles.
C. 2nd DPT and yellow fever.
D. T.B and poliomyelitis.

48. The set up below was used by pupils to investigate a certain property of matter.



Which one of the following is correct observation after the glass bottle was removed from hot water?

- A. Glass bottle broke.
B. Glass bottle contracted.
C. Ink drop dropped in the straw.
D. Ink drop rose in the straw.

49. The flower that has feathery stigma also.

- A. has few stick pollen grain.
B. has powdery pollen grain.
C. is scented.
D. has brightly coloured petals.

50. Which liquids below will form one layer when put in one container?

- A. Water and oil.
B. Petrol and spirit.
C. Kerosine and cooking oil.
D. Milk and kerosine.