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# CORONA SERIES EXAM

# SCIENCE

## SCIENCE STD 7



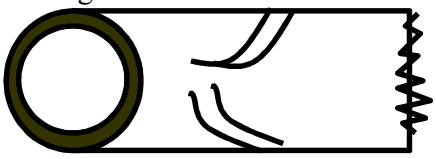
## CORONA SERIES EXAM STANDARD SEVEN

# CORONA SERIES EXAM

## SCIENCE STD SEVEN (7)

**Time: 1 hour 40 Mins**

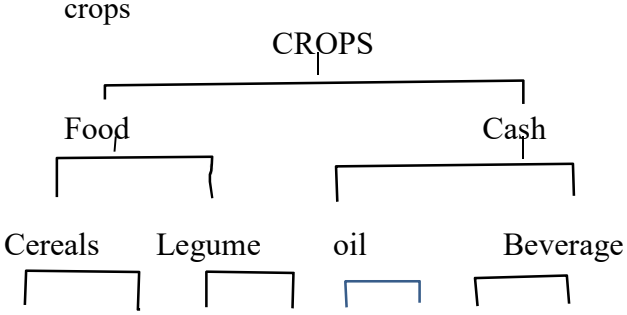
1. Which one of the following is the function of canine teeth?
   A. Biting and tearing
   B. Chewing and nibbling
   C. Gripping and tearing
   D. Grinding and gripping
2. The digram below shows a blood vessel



Which of the following statements is **not** true?
   A. it has a pulse .
   B. it carriers blood to the heart
   C. blood flow in it slowly
   D. it is found near skin surface
3. The following are stages of HIV/AIDS infection but not in the correct order
   (i) Incubation
   (ii) Window
   (iii) Symptomatic
   (iv) Full blown

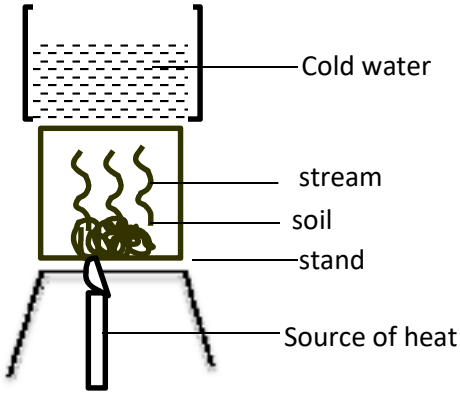
Which one of the following shows the correct order?
   A. (ii),(i),(iv),(iii)  B. (ii),(iv),(iii),(i)
   C. (ii),(iii),(i),(iv)  D. (ii),(i),(iii),(iv)

4. The diagram below shows classification of crops




Beans millet peas soya avocado flax cocoa barley

Which crops were wrogly classified?
   A. Millet and soya  B. Flax and beans
   C. Barley and beans  D. Cocoa and flax
5. Which of the following animal is correctly matched with the products it provides?
   A. Chicken – meat and mohair
   B. Goats – mohair and bacon
   C. Cattle – milk and beef
   D. Sheep – Mutton and milk
6. Which one of the following small animals are correctly grouped?
   A. Ant, flea, moth
   B. Tick, mite, ant
   C. Weevil, tick , moth
   D. Spider, beetle , scorpion
7. The following pupils from Bidii primary school carried to school the meals below for lunch
   Akumu : milk, bread, sweet potatoes
   Tedric: Meat, cabbage , ugali
   Dismas: Rice , green bananas, irish potatoes
   Lukoye: meat, fish, beans
   A. Lukoye  B. Akumu
   C Tedrric  D. Dismas
8. Std 4 pupils of Clever bee carried out an experiment on soil as shown below

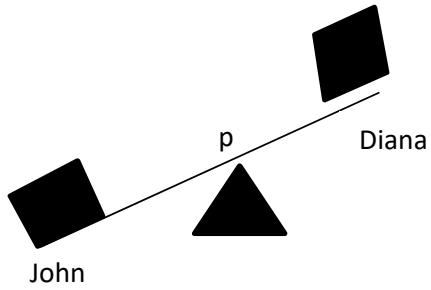



Which component of soil were the pupils frying tpo find out?
   A. Water  B. Humus
   C. Mineral particles  D. Air

9. The following are steps followed when modelling the solar ststem but not in the correct order.
   (i) put name tags on model of planets and sun.
   (ii) Model the sun and eight planets
   (iii) Draw circles on manilla paper to show orbits
   (iv) Paste the manilla on the soft board
   (v) Fix models of planets to orbit with the model of the sun at the centre

   Which one of the following shows the correct orders?
   A. (ii),(iii),(i),(iv),(v)  B. (ii),(iv),(iii),(v),(i)
   C. (ii),(iii),(i),(v),(iv)  D.(ii), (i),(iv),(iii),(v)

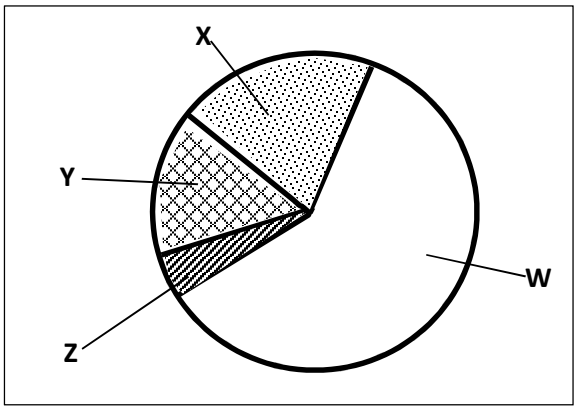
10. Below are reasons for proper storage of tools at home. Which one is not?
    A. To prevent them from being stolen
    B. To avoid accidents
    C. For tidiness in the room
    D. For the tools to work efficiently
11. John is heavier than Diana. What should be done for the two to balance on the see-saw?



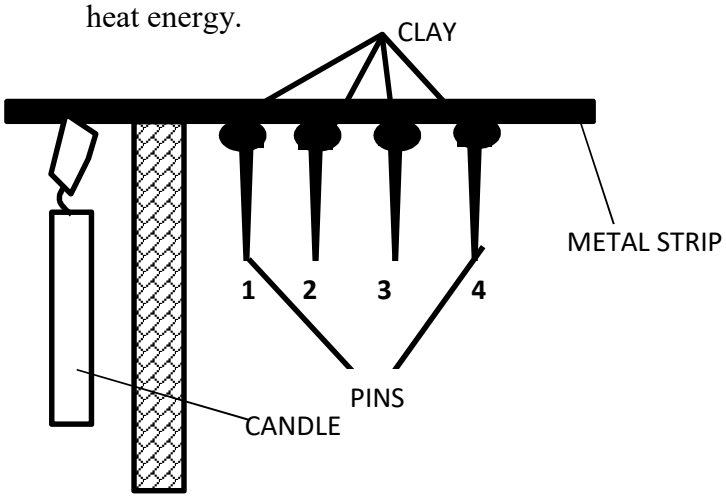

    A. John should move further from P
    B. Both should move closer to P
    C. Diana should move closer to P
    D. Diana should move further from P
12. The following are effects of soil erosion
    (i) V- shaped channels in the ground
    (ii) Top layer of the soil missing
    (iii) Small hole on the ground
    (iv) Shallow channels in the ground
    Which effect are as a result of soil erosion that occurs without noticing and gulley erosion respectively?
    A. (ii) and (iii) B. (iii) and (iv)
    C. (i) and (ii) D. (ii) and (i)
13. Which one of the following fertilisers are correctly classified ?

| | Compound | Straight |
|---|---|---|
| A. | Single super phosphate | Mono ammonium phosphate |
| B. | Sulphate of potash | Calcium ammonium nitrate |
| C. | Diammomium phousphate | Muriate of potash |
| D. | Sodium nitrate | Triple super phosphate |

14. The pie chart below shows composition of air




    Which part of the pie chart above represents a gas used in electric bulbs
    A. Y B. Z C. X D. W
15. Which one of the following consists of only non-magnetic material?
    A. Tin, razor blade, steel
    B. Iron, office pins, nickel
    C. Glass, wood, iron
    D. Copper, brass, silver
16. A card with the word LIGHT written on was placed in frontof a mirror. Which letters in the word changed when observed in the mirror?
    The child was most likely suffering from:
    A. T,H,I B. L,G C. T,G,L D. H,I,L
17. The diagram below shows a certain aspect of heat energy.

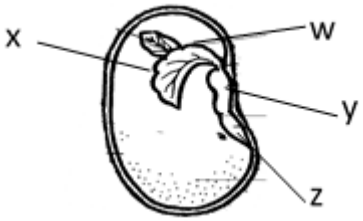



    Which one of the following observations was made at the end of the experiments?
    A. Pin 1 dropped first
    B. Pin 4 dropped last
    C. No pin dropped
    D. Metals expand when heated
18. Which one of the following changes taken place in girls only during adolescent?
    A. Growth of hair on the chest
    B. Appearance of pimples
    C. Broadening of hips
    D. Increase in bodyand height
19. In human digestive system, water and mineral salts are absorded in the
    A. Month B. Large intestine
    C. Ileum D. Stomach
20. Which one of the following diseases is a child immuniised ata age of $1^1/_2$ months after birth?
    A. Polio B. Measles
    C. Yellow fever D. tuberculosis
21. Which one of the following is NOT a social efecet of drug abuse?
    A. Coma
    B. Marital conflict
    C. Drug induced accident
    D. School drop outs
22. Plants depend on each other in the following ways EXCEPT?
    A. Support B. Shelter

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C. Habitat D. Shade

23. The diagram below shows a germinating bean seed.




Which parts represents the embryo of the seed?
A. W and Z B. X and Y
C. Wand X D. X and Z

24. Which one of the following plants do NOT store food the same way as an onion plant ?
A. Kales B. Spinach
C. Yam D. Cabbage

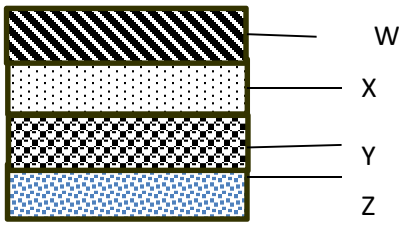
25. A certain animal has the following characteristics
(i) Body covered with scales
(ii) Varying body temperature
(iii) Has a back bone
(iv) Breaths by means of gills
The above animal is NOT likely to be
A. Frog B. Tilapia
C. Trout D. Sardines

26. Which above of the following parasites attack only small intestines of livestock?
A. Lung worms B. Tape worm
C. Hookworms D. Liverfukes

27. Which one of the following lists constitutes body building and repair foods?
A. Cooked bananas, liver, maize
B. Pork, beef, mutton
C. Beef, omena , rice
D. Mutton, green bananas , ugali

28. Which one of the following is Not a recreational use of water?
A. Skiing B. Swimming
C. Skating on ice D. Sport fishing

29. The diagram below shows arrangement of material in a compost heap.




The layer represented by X
A. Introduces bacteria to the heap
B. Supply additional nutrients
C. Provides air circulation
D. Provides nutrients

30. On her way home, Jane a std 4 pupil at Mwibale primary school came a cross a cloud that had the following characteristics
(i) Rounnded masses
(ii) Flat bases
(iii) White in colour
(iv) Indicates fine weather
The cloud described above also :
A. Indicates heavy down pour
B. Is irregular in shape
C. Looks like bundles of cotton wool
D. Appear low in the sky

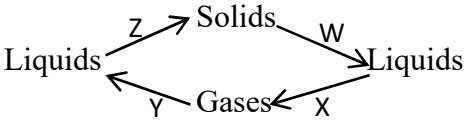
31. Which pairs consist of major non living component of the environment ?
A. Air and sound B. Electricity and light
C. Water and soil D. Plants and animals

32. Animals living in water obtain their oxygen from ____
A. Atmosphere B. Aquatic plants
C. Water D. Air

33. Class five pupils of Kasuku Primary school were told by their science teacher to assemble the following material during a science lesson:
(i) A Y – shaped tree trunk
(ii) A panga
(iii) Along and a strong pole
The pupils were likely to make
A. Beam balance B. Spring balance
C. Crow bar D. See saw

34. Which one of the following levers have the position of load, effort and fulcrum same ?
A. Crow bar and fishing rod
B. Wheel barrow and spade
C. Claw hammer and crowbar
D. Spade and claw hammer

35. The diagram below shaows changes of states of matter



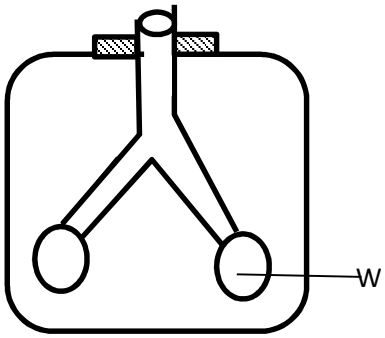

Which pairs of processes W,X,Yand Z represents a decrease and an increase in temperature repectively ?
A. W and X B. W and Z
C. Z and Y D. Y and X

36. Which one of the following statement is TRUE about gases?
A. Do not occupy space
B. Have definite shape
C. Contract when heated
D. Have indefinite volume

37. Which one of the following is not a special sound ?
A. Car engine siren
B. Police ambulance siren

C. A bell ringing
D. A drunkard singing

38. The diagram below represents a human breathing system.
What happens when the part labelled W is inflated ?

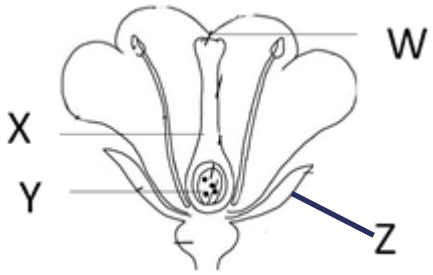



A. Ribs move inward
B. Volume of chest decrease
C. Draphragm move upward
D. Volume of chest increase

39. A group of signs which suggests the presence of disease in the body is known as
A. Deficiency B. Syndrome
C. AIDS D. HIV

40. Below are commonly abused drugs in Kenya
(i) Alcohol (ii) Bhang (iii) Khat
(iv) Opium (v)Tobacco (vi) Cocaine
Which pair of drugs are illegal and legal repectively in Kenya ?
A. (i) and (iii) B. (vi) and (iv)
C. (iv) and (i) D. (v) and (ii)

41. The diagram below represents parts of the flower




Which of the labelled parts play the same role as vagina in human reproductive system ?
A. X B. Y C. Z D. W

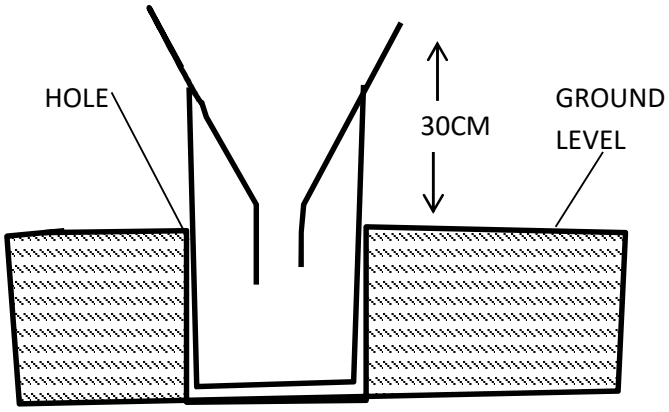
42. Which of the following animal feeds is odd one out
A. Lucerne B. Pollard
C. Bran D. Maize germ

43. A method of food preservation that is both traditional and modern is
A. Refrigeration B. Drying
C. Salting D. Canning

44. Which waterborne disease can be controlled by ensuring that all stagnant water is drained
A. Dysentry B. Cholera
C. Bilharzia D. Typhoid

45. The following material were collected by std 5 pupils
(i) Three plastic bottles of the same size
(ii) Three small plastic bottles of the same slize
(iii) Cotton wool
(iv) Equal amount of sandy soil , clay soil and loam soil.
Which of the following was the experiment that they were likely to set up?
A. Water retention
B. Capillary
C. How different soils feel
D. Drainage

46. Study the diagram below




State the reason why the weather instrument above is placed such that the top of the funnel is atleast 30cm above the ground
A. Allow splashed water to enter the funnel
B. Prevent collected water from evaporating
C. Prevent water on ground from slashing into the funnel
D. Allow esy reading of the collected water.

47. A pen and a book were released two metre above the ground at the same time. Which of these statement is **true**?
A. Pen hit the ground first
B. Both hit the ground at the same time
C. The book was last to hit the ground
D. The book and the pen hit the ground almost the same time

48. What property makes a large ship made of steel to float on water?
A. Material B. size C. Shape D. mass

49. Which of the following is a safety precaution against static electricity?
A. Do not touch switches with wet hands
B. Do not walk in open grounds whenits raining
C. Do not insert objects in sockets
D. Do not throw objects on electric cables

50. Which is the largest component of blood?
A. Platelets B. Red blood cells
C. Plasma D. White blood cells