KINOGO PRIMARY SCHOOL. On .../..../2018

BUSASAMANA SECTOR

RUBAVU DISTRICT

SCIENCE AND ELEMENTARY TECHNOLOGY.

THIRD TERM 2018

1.a) What is the meaning of the term digestion? /1

………………………………………………………………………………………………………..

b) Identify any two stages of digestion/1…………………………………………………….

2. a) What is the term mass? /1…………………………………………………………………

b) The density of a piece of wood is 12kg/cm3 , the volume is 10cm3. Calculate the mass of the wood./ 1……………………………………………………………………………..

c) Study the table below show the density of some materials

|  |  |
| --- | --- |
| **Materials** | **Density ( Kg/cm3)** |
| Copper | 8900 |
| water | 100 |
| White spirit | 850 |

i)Which material will sink in water?/1 …………………………………………………………..

ii) Which material do not sink in water. /1 …………………………………………………..

iii) Why material in (a) will sink in water? /1……………………………………………………

3. a) What is refraction? /1 …………………………………………………………………………

b) The diagram below shows the light ray travelling in glass block complete it /2

Incident ray

Glass block

c) Cite any one law of reflection of light. /1 ……………………………………………………………………………………………………………

4. a) What is the metal? /1……………………………………………………………………………

b) List down any 2 properties f metal. /2 ……………………………………………………..

………………………………………………………………………………………………………………

c) Give any use of the following metals. /3

i) Copper…………………………………………………………….

ii) Aluminium……………………………………………………………………..

iii) Iron………………………………………………………………………………

5. a) The process of releasing dangerous substances in water is called…......................................................................................./1

b) In two ways explain how trees can control soil erosion. /2

………………………………………………………………………………………………..

b) How water pollution can be dangerous in our environment? ( 2 ways) /2

………………………………………………………………………………………………………………………………………………………………………………………………………………………….

6. a) What is file used for ? /1…………………………………………………………………….

b) How can we prevent our metals from rusting? In two ways /1

……………………………………………………………………………………………………..

……………………………………………………………………………………………………..

7. a) Why filtrated water are not is not good for drinking ? /1

…………………………………………………………………………………………………………..

b) Identify any 2 hygiene of digestive system. /1

……………………………………………………………………………………………………………..

c) Name any two enzymes produced by stomach. /1

…………………………………………………………………………………………………………….

8. a) What is balanced diet? /1 …………………………………………………………………….

……………………………………………………………………………………………………………..

b) In two ways explain how foods are importance for human body. /2……………………..

9. Study the diagram of human digestive system below

a)Complete the parts marked with letter : S ; P; T ; W ; R /2.5

b) Which kind of food represented in parts marked with letter : Q ; L /1

Q……………………………………………………. L………………………………………………

c) Which chemical substances act on cooked starch in the mouth? /1

………………………………………………………………………………………………………………

10. a) Differentiate AIDS and HIV/1………………………………………………………………

b) Identify any two methods trough which AIDS can be spreaded. /1

…………………………………………………………………………………………………….

c) Give any two ways of preventing our body from AIDS. /1

……………………………………………………………………………………………………………….

11.a) What is a magnet?/1 ……………………………………………………………………………………………………………

b) The name of natural magnet is………………………………………………………/0.5

c) Give any 2 properties of magnet. /1 …………………………………………………………..

……………………………………………………………………………………………..

12. a) The sound is…………………………………………………………………………………/1

b) How the following produce sound? /2

i) Whistle……………………………………………………………………………

ii) Human being……………………………………………………………………………..

13. Study the diagram below of the flower and answer all questions below

a)Name the parts marked with letters Q ; R; P ; S ;T /2.5

b) What are the functions of parts /2

……………………………………………………………………..

……………………………………………………………………..

c) Which system of plant this diagram belong? /1………………………………………………

14. a) List down any two function of the blood in the body/2

………………………………………………………………………………………………………………………………………………………………………………………………………………………………

b) Give any function of blood components below/3

i) White blood cells……………………………………………………………………………………..

ii) Platelets……………………………………………………………………………………………

ii) Red blood cells…………………………………………………………………………………………

c) Complete the following sentences/3

i) All veins carry deoxygenated blood except………………………………………………………

ii) All arteries carry oxygenated blood except……………………………………………………

ii) HIV attack……………………………………….while Malaria attacks…………………………

15. a) In what ways do plants depend on animals for growth? ( Give two) /2

……………………………………………………………………………………………………………..

b) Plants makes their own food. What do plants use to make their own food?( Give five)/2.5 ……………………………………………………………………………………………………

………………………………………………………………………………………………………………

16. a) How does insects breathe? /1…………………………………………………………

b) Give any two diseases spreaded by insects/1 ……………………………………………….

…………………………………………………………………………………………………………..

17. a) In which 2 ways does forest can be conserved? /2

…………………………………………………………………………………………………………

…………………………………………………………………………………………………….

b) What are ornamental trees? /1………………………………………………………………

………………………………………………………………………………………………………….

18. a) What is pollination?/1 ………………………………………………………………………………………………………………

b) Give and differentiate the two types of pollination/2

……………………………………………………………………………………………………………………………………………………………………………………………………………………………

c)Give two names of agents of pollination./1…………………………………………………

19. Why is the air in the atmosphere is important? In 2ways /2

……………………………………………………………………………………………………………………………………………………………………………………………………………………………..

20. a) What is reproduction in plant? /1 …………………………………………………………

b) Identify any two reproductive parts in the flower/2 ………………………………………………………………………………………………………………

c) The male reproductive cells in flower is…………………………………………..while the female reproductive cells in the flower are………………………………………………/1

21. a) Define pollution. /1………………………………………………………………….

b) Match the following to their consequences /2

a) Smoke and dust 1. Global warming

b) Excess carbon dioxide 2. Cause diseases to human

c) Sulphur dioxide 3. Destruction of atmosphere

d) Aerosol spray 4. Acidic rain

22.a) What is ozone layer? /1 ………………………………………………………………………..

……………………………………………………………………………………………………………..

b) What is the importance of ozone layer?/1 ………………………………………………………………………………………………………………

c) Carbon dioxide is green house gas. Explain the meaning of green house gas./1

……………………………………………………………………………………………………………

23. a) What are fossils?/1……………………………………………………………………………

b) Explain how biogas is produced. /2 …………………………………………………………….

……………………………………………………………………………………………………………….

c) In two ways explain how biogas is more advantages to other sources of energy./2

……………………………………………………………………………………………………………..

24.a) What is a matter?/1 ……………………………………………………………………………

………………………………………………………………………………………………………………

b) Why air is said to be a matter? /1……………………………………………………………….

c) Give any two properties of solid/2 ………………………………………………………………………………………………………………

d) How water can be changed into solid? /1…………………………………………………….

25. a)What is a lever? /1 ………………………………………………………………………….

b) Give any two examples of the following class of lever/3

1st class of lever………………………………………………………………………….

2nd class of lever………………………………………………………………………

3rd class of lever……………………………………………………………………………..

c) In what two ways simple machine simplify the work? /2

…………………………………………………………………………………………………………….

……………………………………………………………………………………………………………

26. a) What is join?/1…………………………………………………………………………………..

b) Name the joint we found in the knee and wrist. /1

Knee………………………………………………………….

Wrist……………………………………………………………

By TWIZERIMANA ANASTASE

***No pain no success!!!***

***Good luck!!!!!!!!!***