REPUBLIC OF RWANDA

EASTERN PROVINCE

GATSIBO DISTRICT.

 **P6**

SET PAPER TWO

END OF TERM TWO SIENCE EXAM.

INSTRUCTIONS:

 Attempt all the questions in this paper.

 Use only blue or black pen.

 Read each question carefully before answering.

1.Identify mechanics tools that are used by to:

 i.Driving screws into metals……………………………………………………………………………………………………..1mark

ii.Cutting metals………………………………………………………………………………………………………………………….1mark

2.Name any two protective clothing that a mechanic should put on ………………………………………………

……………………………………………………………………………………………………………………………………………………2marks

3.Some tools we use at home are made by blacksmith.

Who is a blacksmith?..................................................................................................................................

……………………………………………………………………………………………………………………………………………………..1mark

4.What are the major tools used by blacksmith.

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………1mark

5.Out line any three tools made by blacksmith that we use at home.

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….3marks

6.Define simple machine………………………………………………………………………………………………………………

…………………………………………………………………………………………………………………………………………….1mark

7.Complete the table below by giving examples of classes of levers from the group of tools below.

Opening a tin , seesaw, Pair of scissor , wheel barrow, nut cruck. 4marks.

One is done for you.

|  |  |
| --- | --- |
| Classes of lever | Example |
| i.First class lever | ……………………………………………………………………. |
|  ii.Second class lever  | ……………………………………………………………………. |
| iii.Third class | Fishing rod, human arm |

8.Explain the word Utility……………………………………………………………………………………………………………….2marks

9.Apart from toys,name other utility objects found at home that are made of clay. 2marks

……………………………………………………………………………,…………………………………………………………………………………..

10. Define Gnome…………………………………………………………………………………………………………………………………….

………………………………………………………………………………………………………………………………………………………1marks

11.Explain the role of close button in the title bar in the computer. 1mark

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

12.Complete the table below. One is done for you.

|  |  |
| --- | --- |
| Operation | Sign |
| i.Addition |  |
| ii.Subtraction |  |
| iii.Multiplication |  \* |
| iv.Divion |  |

13.Write OLPC in full…………………………………………………………………………………………………………………………………2marks

14.Give examples of search engines of your choice.

………………………………………………………………………………………………………………………………………………1mark

15.Identify the role of search engine ………………………………………………………………………………………………….

…………………………………………………………………………………………………………………………………………..1mark

 16.Choose the correct answer and circle it. 1mark The following are examples primary search engines except : yahoo, google ,city search.

17.Turtle is a part of …………………………………………………………………………………………………1mark

 a. logo b. Pascal c. basic d. ASCII

18. Write down the meaning of the following shortcuts.

i. Ctrl + B ………………………………………………………………

ii. Ctrl + I ………………………………………………………………

iii. Ctrl + V……………………………………………………………..

iv. Ctrl + A………………………………………………………………

V. Ctrl + S………………………………………………………………..

19. Why is mercury commonly used in thermometer.

…………………………………………………………………………………………………………………………………………………...1mark

20.Why is it advisable to cover your nose and mouth with hand kerchief when sneezing?

………………………………………………………………………………………………………………………………………………..1marks

21.a. Which type of blood vessels return blood to the heart.

………………………………………………………………………………………………………………………………………………..2marks

 b. What is the function of valves in the blood vessels during blood circulation.

…………………………………………………………………………………………………………………………………………………1mark

c. What type of blood carried by most vessels with valves.

……………………………………………………………………………………………………………………………………………………1marks

d. Give any one waste material carried by blood.

……………………………………………………………………………………………………………………………………………………1mark

e. Any value lower than 120/80mmHg is considered as………………………………………………………………………….

……………………………..while any value higher than 120/80mmHg is considered as…………………………………….

…………………………………………………………………………………………………………………………………………………..2marks

f. The main function of white blood cells is……………………………………………………………………………………………

…………………………………………..while platelets help during ……………………………………….process. 2marks

Using an arrow ( )match each animal in A with the correct group to which it belongs in B. 4marks

|  |  |
| --- | --- |
| Animal in A | Animal in B |
| i.Chameleon | a.Mammal |
| ii.Toad | b.Reptile |
| iii.Ostrich | c.Bat |

22.Match using an arrow,the item in column A against those in column B. 10marks

Column A Column B

1.Sepal a. Female reproductive part of the flower.

2. Petal b .Protect the inner parts of the flower.

3. Stamen c. Attract insects ( pollinators).

4. Pistil( Carpel) d. Male reproductive parts of the flower.

5. Stigma e. Receives pollen grains.

23.Layering is also known as marcotting. In a space provided below, draw a diagram showing how layering is carried out. 3marks.

|  |
| --- |
|  |

23.Draw and label the different parts of the flower. 10marks

24. Write 3Rs in full.

……………………………………………..,……………………………………………….,………………………………………………………1mark

25. Waste are a must. Discuss this statement.

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..1mark

26.Wastes are in 2 classes. Name them.

……………………………………………………………………,………………………………………………………………………….1marks

27. What makes up the circulatory system?

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..1mark

28.Complete the table below. 8marks

|  |  |
| --- | --- |
| Blood vessel | Function |
| a.Vena cava | Carries blood from………………………………….to……....……………………………………………………………….. |
| b .Pulmonary artery | Carries blood from ………………………………………to…..……………………………………………………………………. |
| c.Pulmonary vein. | Carries blood from ………………………………………….to.……………………………………………………………………… |
| d.Aorta | Carries blood from ……………………………………….to .…………………………………………………………………… |

29.a. What is the unit of density?

……………………………………………………………………………………………………………………………………………………….1mark

b.The mass of a body is 18g and its volume is 12cm3

Find its density

30.a. What is pollination? …………………………………………………………………………………………………………………….....

………………………………………………………………………………………………………………………………………………………..1mark

b.Give two names of animals which carry out pollination.

…………………………………………………………,…………………………………………………………………………………………….

c. What happens after pollination. ……………………………………………………………………………………………………….1mark.

31. What environmental activities can be carried out to:

i) Destroy mosquitoes………………………………………………………………………………………………………………….1mark

ii). Avoid global warming……………………………………………………………………………………………………………….1mark.

32. Discuss the effects of early pregnancy.

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………3mark