**Computer & IT**

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**Prep1-First Semester**

**2017/2018**

***Final Revision***

**Name** :...................................................................

**Class**  :..................................................................

***Q1:Choose the correct answer***

**1. GIMP is image an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ editing tool.
(a) Open source...
(b) Proprietary
(c) Shareware
(d) Both (a) & (b)**

**2. The \_\_\_\_\_\_\_\_\_\_\_ tool allows you to select a drawing with the free-hand.
(a) Fuzzy Selection (b) Lasso...
(c) Text (d) Bucket Fill**

**3. The Fuzzy Select (Magic Wand) tool helps you to select areas of the \_\_\_\_\_\_\_.
(a) Canvas (b) All the layers
(c) Current Layer... (d) Image with different colours**

**4. Shift+ C is the shortcut to \_\_\_\_\_\_\_\_\_\_\_\_\_ the image.
 (a) Duplicate (b) Delete
 (c) Copy (d) Crop...**

**5. GIMP’s basic palette, consisting of \_\_\_\_\_\_\_\_\_\_\_\_\_ colours.
 (a) Three (b) Two...
 (c) One (d) Many**

**6. \_\_\_\_\_\_\_\_\_\_\_\_\_ are transparent sheets stacked one on top of the other.
(a) Layers... (b) Canvas
(c) Windows (d) None of the these**

***Q2: Define next terms***

**1-Operating System?**

🢡 is the system that tells your computers which programs to run and how to store your data in an organized way

**2-BYTE?**

🢡 is a unit of measurement data to represent a character or symbol and it consists of 8 bits.

**3- LAN?**

🢡 is a limited network area inside a building or several near buildings.

**4- Software?**

🢡 Are various kinds of [program](http://searchsoftwarequality.techtarget.com/definition/program)s used to operate [computer](http://searchwinit.techtarget.com/definition/computer)s and related devices.By mean, they are a set of instructions that order the computer to perform tasks.

**5- ROM?**

🢡 it calls read-only-memory, nonvolatile memory containing data that normally can only be read, not written to. data in ROM is not lost when the computer power is turned off. It permanently stores data.

**6-MotherBoard?**

🢡The motherboard is the main [circuit board](http://techterms.com/definition/pcb) of your computer it is made of silicon. Attached to the motherboard, you'll find the [CPU](http://techterms.com/definition/cpu), [ROM](http://techterms.com/definition/rom), memory [RAM](http://techterms.com/definition/ram), hard disk ......etc

**7-Power On Self Test?**

**🢡** program checks that basic system devices/hardware are present and work properly such as processor,storage devices and memory.

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***Q3- Fill in the blanks using words from the brackets:***

***( Data Centralization – GIMP – Processor – Data – Storage devices )***

**1-.............….. are used by the computer to store data.**

**2-Computers can be used to process large amount of ………**

**3-MegaHertz (MHz) is a measurement of …........….. speed.**

***4-....................... is a graphic program used to edit photos.***

**5-........................one of the most important benefits of computer net.**

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***Q4-Complete :***

*1-Computer types are ……………. , ……………. , …………….*

*2-Computer system consist of ……………. , ……………. ,…………….*

*3-Input unit such as ……………. , ……………. , …………….*

*4-Measurement unit of processor speed ……………….*

*5-processor consists of ………………….&………………….*

*6-Output units such as ……………. , ……………. , …………….*

*7-Images modes are ……………. , ……………. , …………….*

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***Q5:Compare between Raster & Vector image type?***

|  |  |
| --- | --- |
| ***Raster*** | ***Vector*** |
| -It consists of contiguous points (Pixels)-Image contains rows andcolumns of the Pixels-It has a large storage area for the image-Quality and clarity ofthe picture change when zooming in or out | **-**It is characterized by no change in image quality and clarity when enlarged or minimized- It has a small storage area. |

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***Q6:Match***

|  |  |  |
| --- | --- | --- |
| ***A*** | ***B*** |  # |
| ***1-Scale Tool*** | -To move layers | 2 |
| ***2- Move tool*** | -To resize the layer/image | 1 |
| ***3- Pencil Tool*** | - To give wet paint effect in an image | 4 |
| ***4- Paint Brush tool*** | - To draw free hand drawings | 3 |

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***Q7- Put [ √ ] or [ X ]:***

1-***File*** ***name*** consists of two syllables, the ***origin*** ***name*** and ***extension***. ( )

2-To ***share*** folders, your device must be ***connected*** to the network to help other users to reach it . ( )

3-The ***image*** can be converted from ***RGB*** mode to ***Grayscale*** mode. ( 🗸 )

4-Measuring unit of processor speed is ***Hertz***. ( )

5-The "***Ellipse***" select tool is used to select an ***oval*** shape of the image. ( )

6-Default extension ***GIMP*** program is (jpg). ( X )

7-The smallest unit of capacity is ***kilobyte***. ( X )

8- ***Deleted*** items in Trash can be restored again. ( )

9-The ***Layers***( Channels, Paths, Undo History )shows the layer structure of the currently active image. ( 🗸 )

10- ***MAC*** ***OS X*** is one of the open source operating systems. ( X )

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***Q8: Choose the correct answer***

**1-…………… means connecting many computers together in a limited area.**

***( Network -*** *WAN* ***- Internet - Browser )***

**2-……………………is a closed source software.**

***( GIMP- Audacity –*** *Windows* ***– All of them )***

**3-……………… used to cut a part of the picture.**

***( Move tool-Scale tool – Flip tool –*** *Crop tool* ***)***

**4-You can make effect on your image by using …………menu then choose the effect you want. *( Edit -*** *Filter* ***- Insert )***

**5-Mother board contains……..........….. ( Processor -RAM –ROM-** All of the above **)**

**6-……………….software is available for general public to use and modify**

***( Hardware- Open source – Closed source )***

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***Q9: Match each number with the right sentence***

|  |  |
| --- | --- |
| **A** | **B** |
| 1- |  |  | **Select by color tool🢡 select region with similar Colors.** |
| 2- |  |  | **Text tool🢡 create or edit text layers.** |
| 3- |  |  | **Free select tool🢡 select a hand-draw region with free and polygonal segments.** |
| 4- |  |  | **Paths tool🢡 create and edit paths.** |
| 5- |  |  | **Clone tool🢡 selectively copy from an image or pattern, using a brush.** |

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***Q10: Write the scientific term of each sentence***

**1-[……………………] means a connection between many computers. They could be in the same room, in the same building or between two countries.**

**2-It contains the graphical interface, its appear in the form of lists, graphics, toolbars and the unit of basic input is mouse. [……………………]**

**3-[……………………]as a program used to process image.**

**4-A collection of data which is stored in the storage units in different extension. [……………………]**

**5- The memory which keep data temporarily. [……………………]**

**6-An image type characterized by no change in image quality and clarity when enlarged or minimized, and it has a small storage area. [……….………..…]**

**7-Is an operating system specified for apple Mac devices. [………..…]**

**8-Is a limited network area inside a building or several**

**near buildings. [……………………]**

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***Q11- Fill in the blanks using words from the brackets:***

***(Main Toolbox – Users – Operating Systems – Raster Images)***

***1-……............……. contains rows and columns of the Pixels***

***2-Organizing* the software dealing with memory are among functions of .........................................**

**3-** **It is possible to other ................................. to access the files that you shared through accessing your folder Public.**

***4-The....................*****Contains a set of icon buttons used to select tools**

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***Q12: Choose the correct answer***

**1-To search by using extension you must put ……….......….. before the extension. ( # - \* - % - & )**

**2-………...............….. from benefits of network.**

**( *Sharing file - Security - Sharing device -*** *All of the above* **)**

**3-To resize your image you can use scale tool from ……………...**

**( *Tool option - Menu bar -*** *Toolbox* ***- Layer & brushes* )**

**4-When you change from Bit into Byte………………. by 8.**

**(** *Multiply* ***– Subtract –Add* )**

**5-When opening the GIMP program for the first time it is usually on**

**(*Single window mode- Recently closed docks-layers-*** *Multi window mode***)**

**6-The kinds of programs may be ……….......................**

**( *Closed source - Open source -*** *All of the above* **)**

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***Q13- Put [ √ ] or [ X ]:***

1-***Network*** o*ne or more computers connection by using a* ***wireless*** *in*

 *order.*( )

2-***LAN*** is connection between many computers in the same building. ( )

3-***LAN*** is a limited ***network*** area inside a building or several near

 buildings.( )

4-***GIMP***  program as a closed source program.( X )

5-***GUI*** form ways to direct orders and instructions of user to operating system. ( )

6-The smallest unit of ***capacity*** is ***kilobyte***. ( X )

7-***Tool*** ***option*** showing options for the currently ***selected*** ***tool***. ( )

8-There are ***3 kind*** of mode RGB mode, Grayscale mode and

 indexed mode. ( 🗸 )

9-The "***Ellipse***" select tool is used to select an oval shape of the

 image. ( )

10-The "***Magic*** ***wand***" tool ***or*** "***Fuzzy*** ***Selection***" is used to select similar

 color scheme. ( 🗸 )

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***Q14: Write the scientific term of each sentence:***

**1-[……………………] is a set of instructions that order the computer to perform tasks.**

**2-[……………………] the users manage operating system through keyboard only and the operating system.**

**3-[……………………] a place including some of files or folders.**

**4-The user deals with the opening system by writing on custom search place by using the keyboard. [……………………]**

**5-[……………………] is an open source program that allows the creation and processing pictures.**

**6- [……………………]is memory which can save its content permanently.**

**7-[……………………] is operating system specified for apple Mac devices.**

***Q15- Fill in the blanks using words from the brackets***

***(WAN – Android – CPU – Clone – Touch screen )***

**1-…................…..** **can be used as input units and output units.**

**2-Use ……....…. tool to copy part of the image elsewhere.**

**3-.........................** **is part responsible for an arithmetic and logic operation , which produces processed data according to programs instructions and commands.**

**4-…….….......…is an open source operating system.**

***5-…………used to connect devices in great distances like countries.***

***Q16-Choose the correct answer***

1) **Screen touch unit is ....................................**

1. **Input unit b) Output unit**

**c) Output & input unit d) Nothing**

**2) Output unit such as ...................................**

1. **Printer b) Keyboard c) Mic d) Mouse**

**3) Memory ..................... is a permanent memory. Don't lost data when computer turn off.**

1. **ROM b) RAM**

**c) Flash memory d) Nothing**

**4) 3KB consist of ..................................... byte.**

 **a) 3 x 1024 b) 1024 x 1024 x 1024**

 **c) 3 x 1000 d) Nothing**

*\*\*\*\*\*\**

 **...wish you best of luck**