GRADE 9
Computer worksheet

Match the following

A			B	Answer
1.	Allowed read and write operations to be carried out at the same time	a.	Hard disk	7
2.	Nonvolatile memory	b.	Resistive touch screen	9
3.	Create solid object model	c.	Ink jet printer	10
4.	Volatile memory	d.	DVD RAM	1
5.	Used for storage of digital images.	e.	ROM	2
6.	Cannot be used with a gloved hand	f.	SD card	5
7.	Used to store operating system	g.	RAM	4
8.	Saving work and transferring to other computers	h.	3D printer	3
9.	Poor visibility in sunlight	i.	Stored program concept	14
10.	The printer uses liquid ink	j.	USB flash memory	8
11	The screen which is made up of organic materials to create semi-conductors which are very flexible	k.	Tracker ball / mouse	12
12	Selection of the icon is usually done with a POINTING DEVICE	l.	Address bus	15
13	Types of operating system	m	Capacitive touch screen	6
14	Storing of program and data in memory	n	Windows and DOS	13
15	Carries unidirectional signal	o	OLED screens	11

FILL IN THE BLANKS

CH4: OPERATING SYSTEMS AND COMPUTER ARCHITECTURE

1. An _____is a signal sent from a device or from software to the processor
   Ans: interrupt
2. A _____is an area in main memory for holding data during input and output data transfers
   Ans: buffer
3. The idea about how computers should be built was proposed by _____
   Ans: John Von Neumann
4. Three different types of buses are_____, _____-and _____
   Ans: Address bus, Data bus and control bus
5. _____holds the address in memory of the next instruction
   Ans: program counter

6._____ holds the address of the current instruction that is to be fetched from memory

Ans: Memory address register

7._____ performs arithmetic and logic operations.

Ans: Arithmetic and logic unit

8. A _____is used to store instructions and data.

Ans: memory

9. A _____contains arithmetic and logic unit (ALU) which performing arithmetic and logical operations.

Ans: processing unit

10. _____is the processor stores data temporary in registers.

Ans: Registers

CH5: INPUT AND OUTPUT DEVICES

1. _____is an input device that scans documents such as photographs and pages of text.
   Ans: 2D scanner
2. _____ scan solid objects and produce a three-dimensional image.
   Ans: 3D scanners
3. _____ reads barcodes containing parallel dark and light lines using laser light
   Ans: Barcode reader
4. _____ is a barcode made up of a matrix of filled-in dark squares on a light background.
   Ans: Quick response code (QR code)
5. _____ is the printers which use dry powder ink rather than liquid ink
   Ans: laser printer
6. _____ stage in the laser printing process is the toner melted into the paper.
   Ans: Fusing
7. _____ are best for one-off photos or where only a few pages of good quality.
   Ans: Inkjet printer
8. 3D means_____
   Ans:3 dimension
9. _____are devices that allow computer images to be displayed on a whiteboard using a digital projector
   Ans: Interactive whiteboards
10. _____ are devices which read or measure physical properties
    Ans: Sensors
11. The printer makes the solid object layer by layer, using powdered resin, ceramic powder or metal is _____
    Ans: 3D printer
12. _____determines the resolution of the digital image in DLP projector.
    Ans:Digital micromirror

13._____ and _____are providing backlit for LCD monitors.

Ans: CCFL , LED

14. LCD projector uses_____ which reflects light at different wavelengths

Ans: Chromated coating mirror

CH 6: INPUT AND OUTPUT DEVICES

a) The two different types of primary memory are _____ and _____.

Answer: RAM and ROM

b) The _____ is the device in which current working data lost when the computer is switched off.

Answer: RAM

c) Data are permanently stored even if power is switched off is called _____

Answer: ROM

d) The _____ and _____ are two different types of hard drives.

Answer : Fixed hard disk and portable hard disk

e) _____consists of a series of disks (platters) coated with a magnetic material.

Answer: Fixed hard disk

f) _____is used to read data and to write data in the surface of the optical disk.

Answer: Laser light

g) _____ and _____disks are two examples of optical storage devices.

Answer: CD-ROM and Blue-ray

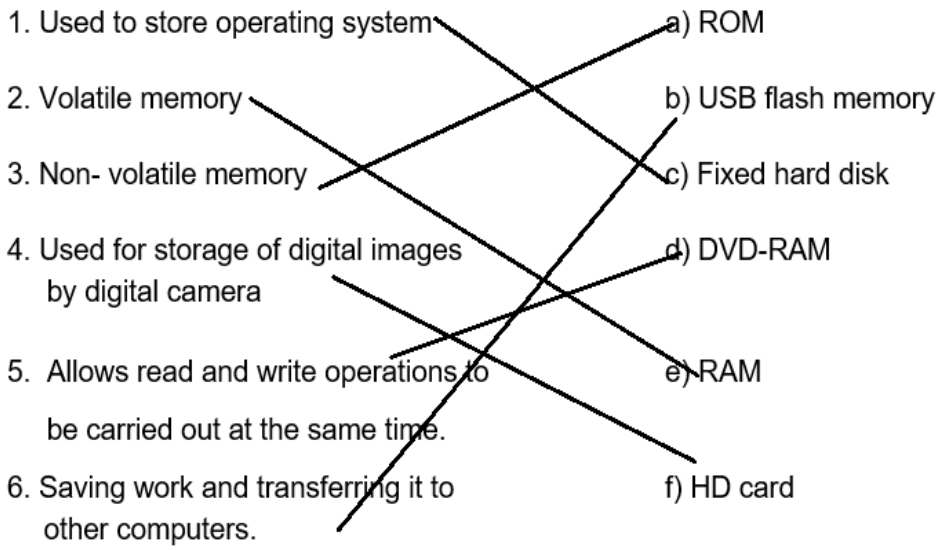
h) _____ light is used to read and write data in the surface of the CD's and DVD's.

Answer: Red laser

i) _____optical storage device uses blue laser light to read and write data on the media surface.

Answer: Blue ray disk.

Match the following:



Application of Sensors

Application	Sensor
controlling street lights	Light
monitoring a river for pollution	Gas, pH, temperature, light
controlling traffic lights	pressure, magnetic field,

CHOOSE THE CORRECT OPTION

Storage device	Magnetic	Optical	Solid state
Hard disk	✔		
Flash memory card			✔
Blu-ray disk		✔	
CD-ROM		✔	
Memory stick			✔
DVD-RAM		✔	