UNIT-II

➤ ## Short / Objective Questions
1. Full form :-
   i.   PS   ii.   USB   iii.   RS-232
2. A keyboard has ___ functional keys.
3. What is a keyboard?
4. What is a mouse? List out types of mouse.
5. What is the use of scanner?
6. What is Hard Disk?
7. List out any 4 input devices?
8. What is a storage device? Give its type.
9. What is the use of ctrl and alt keys?
10. What is the use of Shift and Caps lock keys?
11. Full form of CD and DVD.
12. Define optical and magnetic storage device.

➤ ## Multiple Choice Questions (MCQ)

1.	What is the full of IDE? A) **Integrated Device Electronics** B) Inter Device Element C) Integranted Device Electrons D) Integrated Drive Electronics
2.	Which one of the following is not included in magnetic type of storage A) Hard disk B) **CD** C) Magnetic tape D) Floppy disk
3.	Full form of DVD is A) **Digital Versatile Disk** B) Dual Very Disk C) Dust Versatile Disk D) None of the above
4.	How much wide is plastic film of the magnetic tape A) 17.5mm to 35mm B) 20.5mm to 55mm C) 2.5mm to 5mm D) **12.5mm to 25mm**
5.	Full form CD – RW A) **Compact Disk – Read – Write** B) Compact Disk – Right – Wrong C) Computer Disk – Read – Write D) Compact Desk – Read – Write
6.	In which category to include A to Z alphabets keys in Keyboard. A) Function Keys B) Numeric Keys C) Cursor movement Keys D) **Text Keys**

7.	A _____ is a display which can detect the location of the touch with in a display area.
	A) Scanner **B) <u>Touch screen</u>** C) Monitor D) LCD & CRT
8.	How many function keys are there in a keyboard? A) 10 **B) <u>12</u>** C) 15 D) 18
9.	Joystick is a one types of _____ Device. A) Storage B) Output. **C) <u>Input.</u>** D) Communication.
10.	PS/2 port contains how many pins? A) 4 **B) <u>6</u>** C) 9 D) 11
11.	_____ Key is used in conjunction with other key to provide additional functionality on keyboard? **A) <u>Ctrl</u>** B) Alt C) Tab D) Shift
12.	How much data can be stored in a DVD A) 2 – 13 GB B) 3 – 15 GB **C) <u>5 – 17 GB</u>** D) 7 – 19 GB
13.	Which one of the following is included in optical type of storage A) CD B) DVD C) CD – R **D) <u>All of these</u>**
14.	Full form of RPM is A) Roll Per Member **B) <u>Rotation Per Minute</u>** C) Rail Passenger Manager D) None of these
15.	Which input device is use for to play video games? A) Keyboard B) Light Pen **C) <u>Joystick</u>** D) Scanner Mouse
16.	To store large amount of data _____ is compatible **A) <u>Hard disk</u>** B) RAM C) Pen drive D) Floppy disk

➤ **Long / Descriptive Questions**
1. Write a short note on Keyboard & Mouse in detail
2. Write advantages and disadvantages of hard disk.
3. Explain hard disk with figure.
4. Difference between optical and magnetic storage device.
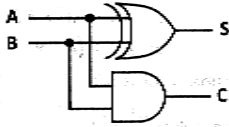5. Explain floppy disk and CD in brief

UNIT-V

➤ ### Short / Objective Questions

1. What do you mean by logic gate? List out all logic gates.
2. What is truth table explain with suitable example.
3. What is Decoder?
4. What is Encoder?
5. What is AND gate?
6. What is Full Adder?
7. What is OR gate?
8. What is NOT gate?
9. What is NAND gate?
10. What is NOR gate?
11. What is Half Subtractor?
12. What is EX-NOR gate?
13. What is Full Subtractor?

➤ ### Multiple Choice Questions (MCQ)

1.	Arithmetic Adders is use for? A) Multiplication B) Subtraction C) **Addition** D) Division
2.	NAND gate is which type of gate? A) Basic B) Exclusive C) **Universal** D) Electronic
3.	Identify the Basic gate? A) **AND** B) NAND C) NOR D) EX-OR
4.	The output of NAND gate is opposite to gate? A) **AND** B) NOR C) OR D) EX-NOR
5.	NAND gate is also called. A) **AND gate** B) Bubbled OR gate C) Bubbled AND gate D) NOT gate
6.	In AND gate if A = 1 and B = 1 what will be the output A) 0 B) **1** C) 2 D) None
7.	In 1-to-4 multiplexer, if C1 = 1 & C2 = 1, then the output will be _____

	A) Y0 B) Y1 C) Y2 **D) Y3**
8.	Five NOT Gate are connected in series so what is output?(Input is 1) **A) 0** B) 1 C) 10 D) Error

9.	If the output is $Y=\overline{A*B}$
	     A) NOR Gate B) EX- OR Gate
	     C) NOT Gate D) EX- NOR Gate

10.	How many AND gates are required for a 1-to-8 multiplexer? A) 2 B) 6 **C) 8** D) 5
11.	How many maximum inputs are allowed in NOT gate? A) 10 **B) 1** C) 4 D) 50

12.	In a multiplexer the output depends on its _____
	     A) Data inputs **B) Select inputs**
	     C) Select outputs D) Enable pin

13.	How many bits would be required to encode decimal numbers 0 to 9999 in straight binary codes? A) 12 B) 14 **C) 16** D) 18

14.	The sum of average Latency and Seek time is known as the_____.
	     A) Average Access Time. B) Seek Time
	     C) Latency Time D) Blank Time

15.	Which circuit diagram is this?
	
	     A) Half adder B) Half Subtractor
	     C) FullAdder D) Full Subtractor

16.	Binary coded decimal is a combination of _____
	     A) Two binary digits B) Three binary digits
	     C) Four binary digits D) Five binary digits

➤   Long / Descriptive Questions
1. Describe all exclusive gates.
2. Explain decoder in detail.
3. Explain basic gates in detail.
4. Explain Adder with its types.
5. Explain Subtractor with its types.