07. Input & Output Device

Important Key

Output Device

- Graphics Tablets
- Trackballs
- Digital Camera
- Gameped
- Keyborad
- Microphone
- Scanner
- Touchpad
- Electronic whiteboard
- OCR
- Punch Card reader
- Magnetic Tape Drive
- Video Capture Hardware
- Barcode reader
- MIDI Keyboard
- Joystick
- Cameras
- Mouse (pointing device)
- Webcam
- Microphone
- OMR
- Pen Input
- MICR (Magnetic lnk character reader)

OUTPUT DEVICES

- LCD Projection Panels
- Printers (all types)
- Microfiche
- Head Phone
- Speaker (s)
- Film Recorder
- Monitor (LED, LCD, CRT etc)
- Plotters
- Projector
- Computer Output Microfilm (COM)

- Visual Display Unit

KEYBOARD

- It is a primary input device of a computer
- Number of Keys contains in a standard Keyboard is 104 to 108 keys
- The longest key in the keyboard is Space Bar
- The Keyboard layout was designed by Christopher Sholes is known as QWERTY
- Key place at the top left corner of the key board is Escape key (ESC)

MOUSE

- This is a pointing device used in a computer
- Mouse was invented by Douglas Carl Engelbart
- Mouse can be used to control the position of the Cursor on the screen
- The blinking symbol which indicated the next position of the character is called Causor
- The unit which is used to represent the speed of a mouse Mickey
- The company that developed mouse was Xerox

TOUCH PAD

- The Pointing device used in laptop computer is Touch pad

SCANNER

- This device is used to convert the data and image on paper into the digital form
- First digital scanner was invented by Russell Kirsch
- Flatbed Scanner was invented by Ray Kurzwell

JOYSTICK

- Joystick is an example of Graphical pointing device
- This device is used as an input primarily for playing video
- Games and controlling robots etc.

TRACK BALL

- Track ball is a popular pointing device for portable computer
- Track ball is used instead of a Mouse
- Track ball is an example for Stationary pointing device

LIGHT PEN

- It is a pointing device which is similar to a pen
- Light pen was designed by Ben Gurley
- The pointing device which utilizes a light – sensitive detector to select objects on display screen

BAR CODE READER

- It is an input device used for reading printed bar codes available on the products to be sold
- Bar code reader reflects a barcode image by emitting a team of light
- Bar code reader identifies a bar code image and converts it into an alphanumeric value
- Father of barcode reader Norman Joseph Woodland

MICROPHONE

- The input device used to input sound to the computer
- This device is used for various applications like adding sound to a multimedia presentation or for mixing music

OUTPUT UNIT

- The processed results is given to the user through output unit
- The device which given the processed information.

MONITOR

- Monitor is commonly called Visual Display Unit
- Monitor forms images from tiny dots called Pixels
- The resolution of the monitor depends upon the number of pixels

MOST COMMON TYPES OF MONITORS ARE

- CRT (Cathode Ray Tube)
- LCD (Liquid Crystal Display
- LED (Light Emitting Display)
- Plasma pane

PLOTTER PRINTER

- Type of printer used for printing vector graphics is Plotter
- This Type of printer used to print design of ships and machines, Plans for buildings etc.

Booster-1

1. ---------- is are reading device that reads printed text by scanning it character by character-
   (a) Optical character Reader
   (b) Scanner
   (c) Webcam
   (d) Printer
2. Video graphics array connections are those which connect the monitor to a computer's video card and has -------- holes-
   (a) 8 (b) 15
   (c) 20 (d) 25
3. What is an output device that transforms the signal from the computer's sound card into audio?
   (a) Printer (b) Monitor
   (c) Projector (d) Speaker
4. What are hardware device that retrieves data from a computer system and further translates the received data into a form understandable to humans?
   (a) Plotter (b) Scanner
   (c) Printer (d) Output Devices
5. Neeti wants to use an input device that works by sensing the user's finger movement and downward pressure. Which device should she use?
   (a) Scanner (b) Touchpad
   (c) Microphone (d) Webcam
6. A/an is the smallest illuminated area on a computer screen-
   (a) Megapixel (b) Pixel
   (c) Bit (d) Byte
7. An example of an input device is-
   (a) Printer (b) Webcam
   (c) Speaker (d) Microphone
8. Instructions to computer are given through-
   (a) Keyboard (b) Mouse
   (c) Input Unit (d) Monitor
9. What is the type submitted or transmitted data called in a computer system?
   (a) Input (b) Output
   (c) Processed (d) Transformed
10. What does information become after input into a computer?
    (a) Data (b) Signal
    (c) Output (d) Process
11. In computer terms, a trackball is a _____ device-
    (a) Scanner (b) Input
    (c) Output (d) Storage
12. What type of equipment are computer speakers or headphones?
    (a) Input (b) Output
    (c) Peripheral (d) Storage
13. Optical Character Reader (OCR) is an example of
    (a) Input Device
    (b) Output Device
    (c) Storage Device
    (d) Processing Device
14. What is a Light pen?
    (a) Input Device
    (b) Output Device
    (c) Processing Device
    (d) Storage Device
15. Which pointing device in a computer works by detecting two-dimensional motion related to its supporting surface?
    (a) Keyboard (b) Mouse
    (c) Joystick (d) Touchpad
16. Punched card also Known as-
    (a) CD (b) DVD
    (c) Floppy Disk (d) Hollerith Card

17. If a mistake is made during typing, mistake can be erased by pressing keys
    (a) Backspace (b) Delete
    (c) Enter (d) Tab
18. The full form of OCR in context of Information Technology is
    (a) Optical Code Reader
    (b) Optical Character Recognition
    (c) Optical Cable Router
    (d) Online Character Recognition
19. What are the commonly used input devices on laptops for day to day operations?
    (a) Mouse and Keyboard
    (b) Scanner and Printer
    (c) Keyboard and Mouse
    (d) Webcam and Microphone
20. What type of devices converts digital signals into a form that is intelligible to the user?
    (a) Input Device
    (b) Output Device
    (c) Storage Device
    (d) Processing Device
21. Traditional computers had CRT monitors. What does CRT mean?
    (a) Cathode Ray Tube
    (b) Central Routing Technology
    (c) Computer Resolution Technology
    (d) Compact Retina Display
22. The devices such as Plotter, projector, and Printer are examples of ……?
    (a) Output Devices
    (b) Input Devices
    (c) Storage Devices
    (d) Processing Devices
23. Which device sends information to a computer system for processing?
    (a) Output Device
    (b) Input Device
    (c) Storage Device
    (d) Processing Device
24. The technology of scanning that reads the check boxes contained inside a predefined space is-
    (a) OCR (b) OMR
    (c) MICR (d) MSR
25. Which device input converts analog information into digital form and can be used for doing fine works of drawing and image manipulation?
    (a) Plotter (b) Scanner
    (c) Digitizer (d) Joystick
26. Is an output device that produces high-quality graphics using an ink pen?
    (a) PLOTTER (b) Printer
    (c) Scanner (d) Projector
27. Computer Display is also called-
    (a) Monitor
    (b) Video Display Terminal
    (c) Visual Output Unit
    (d) Screen
28. Which output device draws pictures on paper based on the commands given from a computer using a pen?
    (a) Drum Plotter (b) Printer
    (c) Scanner (d) Projector
29. The device that converts a physical image into a digital one is called-
    (a) Camera (b) Printer
    (c) Scanner (d) Photocopier
30. Microphone is a ……. Device, which accepts sound as input-
    (a) Input (b) Output
    (c) Storage (d) Processing
31. The ClickLock property of the mouse-
    (a) Enables auto-scrolling
    (b) Allows to drag without holding the mouse button
    (c) Adjusts pointer speed

(d) Activates double-click by single click

32. The default screen on the monitor when no other application is running is called-
(a) Desktop (b) Home Screen
(c) Taskbar (d) Control Panel
33. Computer How does Computer Output Microfilm (COM) technology contribute to image recording?
(a) By producing macroscopic images
(b) By capturing images in a microscopic format
(c) By enhancing computer screen resolution
(d) By printing images on large-scale film sheets
34. Plotters are of two types, whose names are.
(a) Drum and Flatbed
(b) Digital and Analog
(c) Portable and Stationary
(d) Inkjet and Laser
35. Which computer peripheral allows you to copy a physical image or document and save it on your computer as a digital image?
(a) Scanner (b) Printer
(c) Plotter (d) Projector
36. How many audio and video streams can be handled by HDMI?
(a) 1 Audio, 1 Video
(b) 2 Audio, 1 Video
(c) 1 Audio, 2 Video
(d) 2 Audio, 2 Video
37. How many pins does an HDMI type A connector have?
(a) 15 (b) 19
(c) 21 (d) 24
38. The default layout of most keyboards is called-
(a) AZERTY (b) QWERTY
(c) Dvorak (d) Colemak
39. A device that lets you talk to a computer-
(a) Mouse (b) Printer
(c) Scanner (d) Microphone
40. A mouse, trackball, and joystick are examples of-
(a) Pointing Devices
(b) Input Devices
(c) Output Devices
(d) Storage Devices
41. A Keyboard is used-
(a) To enter text and numbers and send commands to the computer
(b) To display text and numbers on the screen
(c) To connect to the internet
(d) To scan documents
42. Types of Keyboard is-
(a) Digital and Analog
(b) Wired and Wireless
(c) Serial and Parallel
(d) QWERTY and Dvorak
43. Parallel ports usually are not used to connect-
(a) Printers (b) Scanners
(c) Modems (d) Keyboards
44. Which is a handheld input device used to move the cursor or pointer on the screen?
(a) Touchpad (b) Trackball
(c) Mouse (d) Stylus
45. Which input devices are commonly used in computer games?
(a) Keyboard and Mouse
(b) Joystick and Gamepad
(c) Touchpad and Stylus
(d) Microphone and Webcam

46. MICR is an example of –
    (a) Input device
    (b) Output device
    (c) Storage device
    (d) Processing device
47. Which is used to convert a text image to editable text?
    (a) OCR (b) OMR
    (c) MICR (d) MSR
48. Which device is generally used for drawing charts, Graph CAD, and printing the Map?
    (a) Plotter (b) Printer
    (c) Scanner (d) Projector
49. Which feature is associated with the computer mouse?
    (a) Pointing Device (b) Storage Device
    (c) Input Device (d) Output Device
50. _____ is an output device that produces continuous lines of different colors-
    (a) Plotter (b) Printer
    (c) Projector (d) Scanner
51. Which input device is used to enter motion data into a computer or other electronic device?
    (a) Trackball (b) Joystick
    (c) Keyboard (d) Mouse
52. Which unit presents data to end users?
    (a) Processing Device
    (b) Output Device
    (c) Storage Device
    (d) Input Device
53. A _____ converts spoken text information into sentences-
    (a) Scanner
    (b) Speech Synthesizer
    (c) Microphone
    (d) Plotter
54. Which input device consists of a photocell and an optical system placed in a small tube?
    (a) Mouse (b) Keyboard
    (c) Light pen (d) Webcam
55. Which input device is often a standard feature of a laptop?
    (a) Mouse (b) Keyboard
    (c) Touchpad (d) Trackball
56. Which of the following produces the best quality graphics lamp?
    (a) Plotter (b) Printer
    (c) Scanner (d) Projector
57. _____ are special types of printers made for high-quality engineering drawing and similar large graphics-
    (a) Plotter (b) Printer
    (c) Scanner (d) Projector
58. Which technology is used by banks for quick processing of bank cheques?
    (a) OCR (b) OMR
    (c) MICR (d) MSR
59. What is the input device used for selecting and drawing things on the screen called?
    (a) Stylus (b) Touchpad
    (c) Mouse (d) Light pen
60. Which output device is used to make a presentation in front of a large number of people?
    (a) Projector (b) Printer
    (c) Scanner (d) Plotter
61. In computing, to provide data and control signals to systems such as computers or other such devices, _____ peripherals are used-
    (a) Input Device
    (b) Output Device
    (c) Storage Device
    (d) Processing Device

62. What is used to enter data into a computer?
    (a) Input Device
    (b) Output Device
    (c) Storage Device
    (d) Processing Device
63. _____ is an input device used to save a person's voice in the computer?
    (a) Microphone (b) Speaker
    (c) Scanner (d) Plotter
64. Which device is used to record and produce sound?
    (a) Sound Card (b) Speaker
    (c) Microphone (d) Projector
65. The most commonly used primary input devices of a computer are_____.
    (a) Keyboard and Mouse
    (b) Touchpad, Mouse
    (c) Joystick, Gamepad
    (d) Microphone, Webcam
66. What is the number of pixels that a display screen can accommodate?
    (a) Resolution (b) Refresh Rate
    (c) Pixel Density (d) Aspect Ratio
67. _____ is a measurement output device that displays text, images, and user interface elements by emitting thousands of pixels of different colors-
    (a) Monitor (b) Projector
    (c) Printer (d) Plotter
68. Refresh buffer in color monitors is also called-
    (a) Pixel Map (b) Monitor Buffer
    (c) Projector (d) Screen Buffer
69. Device that converts handwritten impressions into coded characters for computer input-
    (a) Digitizer (b) Scanner
    (c) Plotter (d) Printer
70. More than the resolution of the monitor-
    (a) The larger the pixels
    (b) The smaller the pixels
    (c) The pixels will be closer
    (d) The pixels will be farther
71. How many keys are there in the computer keyboard?
    (a) 88 Keys (b) 101 Keys
    (c) 104 Keys (d) 108 Keys
72. Which is the longest key on the computer keyboard?
    (a) Space (b) Shift
    (c) Enter (d) Backspace
73. In Computer QWERTY is a type of?
    (a) Monitor (b) Keyboard
    (c) Mouse (d) Speaker
74. SHIFT and ALT are which type of keys?
    (a) Modifier
    (b) Function
    (c) Alphanumeric
    (d) Navigation
75. What is the Full form OMR?
    (a) Optical Mark Reader
    (b) Optical Memory Recognition
    (c) Optical Machine Reader
    (d) Online Memory Recognition
76. Pen Drive that connected to computer through
    (a) USB (b) HDMI
    (c) VGA (d) Ethernet
77. _____ Port is also known as COM port
    (a) USB (b) Serial port
    (c) Parallel port (d) Ethernet port
78. Which one works as an output and input device?
    (a) Modem (b) Printer
    (c) Monitor (d) Scanner

79. A light-sensitive device that converts drawing. Printed text into digital form is _____
    (a) Stylus (b) Mouse
    (c) Keyboard (d) Scanner
80. Device which is used to read a make sense answer sheet of a particular test is-
    (a) Character or mark recognition device
    (b) Barcode reader
    (c) RFID reader
    (d) Magnetic stripe reader
81. Which output device is used to transfer information from a computer to a viewer in the form of a picture?
    (a) Plotter (b) Projector
    (c) Scanner (d) Printer
82. Whatever is typed, submitted, or transmitted in the computer is called .....
    (a) Input (b) Output
    (c) Data (d) Information
83. The higher the resolution of the monitor-
    (a) Pixels get Farther
    (b) Pixels get Closer
    (c) The larger the screen
    (d) The smaller the screen
84. The number of pixels displayed on the screen is called-
    (a) Resolution (b) Pixel Count
    (c) Pixel Density (d) Refresh Rate
85. Which among the following statement is incorrect for input devices?
    (a) Input device help computer in receiving data
    (b) Input device are also called as peripheral devices
    (c) Optical mark reader is an input device
    (d) Input device accept user data
86. Which of the following is NOT an output device?
    (a) Plotter
    (b) Monitor
    (c) Dot matrix printer
    (d) Barcode reader
87. Which of the following is an output device?
    (a) Scanner (b) Projector
    (c) MICR (d) OCR device
88. Which of the following is an input device?
    (a) Speaker (b) Keyboard
    (c) Plotter (d) Printer
89. Which of the following is not a softcopy device?
    (a) Monitor (b) Plotter
    (c) Projector (d) Speaker
90. Which of the following is an input device of a computer?
    (a) Monitor (b) Speaker
    (c) Scanner (d) Printer
91. Which of the following is an input device?
    (a) Optical character reader
    (b) Projector
    (c) Headphones
    (d) Inkjet printer
92. Which of the following is a toggle key on a keyboard?
    (a) Alt (b) Shift
    (c) Scroll lock (d) Ctrl
93. Which of the following is an example for an input device?
    (a) R.A.M (b) Barcode reader
    (c) Projector (d) Monitors

Name of input device- Mouse, Joy stick, Light pen, Track ball, Scanner, Graphic tablet, Microphone, Magnetic lnk character Recognition (MICR), Optical character Recognition (OCR), Bar code reader, Optical Mark Recognition (OMR)

94. Which of the following in NOT a type of monitor?
(a) TFT Monitor (b) High-Definition
(c) LCD Monitor (d) CRT Monitor

95. Which of the following devices is used to print very large drawings or complex line art by mechanical movement of a pen on a paper?
(a) lnk jet Printer (b) Scanner
(c) Line printer (d) Plotter

96. Which among the following input device consists of a stick which pivots on a base and reports its angle or direction of the CPU?
(a)Microphone (b) Light pen
(c) Keyboard (d) Joystick

97. Which of the following is an output device?
(a) L.C.D. Projector
(b) Mouse
(c) Light pen
(d) keyboard

98. Which of the following is not an output device?
(a) Monitors (b) keyboard
(c) Plotter (d) printer

99. Which of the following is used to improve the objective answer sheet?
(a) CD-ROM (b) MICR
(c) Barcode (d) OCR

100. Which of the following input device is widely used in tests such as aptitude tests?
(a)Barcode reader
(b) Optical mark recognition
(c) Magnetic lnk character Recognition
(d) touchpad

101. Data entry cannot be captured by which of the following options?
(a) OCR (b) OMR
(c) COM (d) MICR

102. Which of the following l/O devices is a block device?
(a) Tape Drive (b) USB Port
(c) Keyboard (d) Mouse

103. Which of the following statements is FALSE?
(a) Trackballs and joysticks are mouse like pointing devices
(b) Digitizer Output device
(c) OCR stands for Optical character Recognization
(d) On a bank check you can find pre-printed MICR letters.

Digitizer: A digitizer is an input device that converts an analog object, image or signal into a digital format.

104. Which of the following is an example of pointing device?
(a) Trackball, Touchpad and mouse
(b) Motherboard and processor
(c) Monitor, printer, headphone and speaker
(d) Hard disc drive and pen drive

105. Match the work of Mouse-

(a) Left click.	1. Move the icon
(b) Right click.	2. Select icon
(c) Double click.	3. Open something
(d) Dragging.	4. Context menu

(a) (a) -1, (b) -2, (c) -3, (d) -4
(b) (a) -2 (b) -4, (c) -3 , (d) -1
(c) (a) -2, (b) -4, (c) -1, (d) -3
(d) (a) -1, (b) -4 (c) -3, (d) -2

106. Choose correct from the following-
I. Light pen is an electronic pointing device used to select objects on a display screen with the help of a light sensitive pen.
II. Trackball works like a mouse
III. The keyboard had a set of central keys to control the movement of the cursor and the screen.

(a) I and II True, III false
(b) II, III true, I False
(c) I, III True, II False
(d) All are True

107. Match the following.

(a)	Input unit	1.	Arithmetic, logic unit and control unit
(b)	Output unit	2.	Scanner
(c)	Processing Unit	3.	Daisy wheel printer

(a) (a)-2, (b)-3, (c)-1
(b) (a)-1, (b)-3, (c)-2
(c) (a)-2, (b) -1 (c)-3
(d) (a)-3, (b)-1, (c)-2

108. Which of the following is a common function of an input device?
(a) To compile input data
(b) To read input data
(c) To process input data
(d) To link input data

109. Which of the following is not a type of a projector?
(a) DLP projector
(b) LCD projector
(c) LED projector
(d) Light Projector

110. Which of the following is an input device but not an output device?
I. Mouse II. Touchpad

(a) Only I (b) Only II
(c) Both I and II (d) Neither I nor II

111. Which of the following options converts and presents the processed information in a form useful to the user?
(a) Control unit (b) Storage unit
(c) Output unit (d) Input unit

112. Which of the following is not an input device?
(a) Joystick (b) Magnetic tape
(c) Monitor (d) Magnetic disc

113. Which of the following is not a pointing device?
(a) Mouse (b) Pen Input
(c) Trackball (d) Keyboard

114. Which of the following is Output device?
(a) Keyboard (b) Mouse
(c) Scanner (d) Monitor

115. Which of the following looks like an upside down mouse that requires the ball to be rotated manually with a finger for moving the cursor on the computer screen?
(a) Digitiser (b) Light pen
(c) Joystick (d) Trackball

116. Which of the following is not an output device?
(a) Drum pen, plotter
(b) C.R.T. Monitor
(c) Earphones
(d) Digital camera

117. Which of the following is not connected to the input unit?

(a) It accepts data from the outside world
(b) It converts the data into binary code which is understood by the computer
(c) It converts binary data into human readable form which can be understood by the users.
(d) It converts data into binary form for further processing

118. Which of the following is not included in WIMP?
(a) Windows (b) Icons
(c) Pointers (d) Mouse

119. Which among the following is an output device in the context of computer system?
(a) Magnetic scanner
(b) Track ball
(c) Light Pen
(d) Plotter

Booster-1

Answer Key

1	**A**	11	**B**	21	**A**	31	**B**	41	**A**
2	**B**	12	**B**	22	**A**	32	**A**	42	**B**
3	**D**	13	**A**	23	**B**	33	**B**	43	**D**
4	**D**	14	**A**	24	**B**	34	**A**	44	**C**
5	**B**	15	**B**	25	**C**	35	**A**	45	**B**
6	**B**	16	**D**	26	**A**	36	**D**	46	**A**
7	**B**	17	**A**	27	**A**	37	**B**	47	**A**
8	**C**	18	**B**	28	**A**	38	**B**	48	**A**
9	**A**	19	**A**	29	**C**	39	**D**	49	**A**
10	**A**	20	**B**	30	**A**	40	**A**	50	**A**

51	**B**	61	**A**	71	**C**	81	**B**	91	**A**
52	**B**	62	**A**	72	**A**	82	**A**	92	**C**
53	**B**	63	**A**	73	**B**	83	**B**	93	**B**
54	**C**	64	**C**	74	**A**	84	**A**	94	**B**
55	**C**	65	**A**	75	**A**	85	**D**	95	**D**
56	**A**	66	**A**	76	**A**	86	**D**	96	**D**
57	**A**	67	**A**	77	**B**	87	**B**	97	**A**
58	**C**	68	**D**	78	**A**	88	**B**	98	**B**
59	**D**	69	**A**	79	**D**	89	**B**	99	**D**
60	**A**	70	**B**	80	**A**	90	**C**	100	**B**

101	**C**	111	**C**
102	**A**	112	**C**
103	**B**	113	**D**
104	**A**	114	**D**
105	**B**	115	**D**
106	**D**	116	**D**
107	**A**	117	**C**
108	**B**	118	**D**
109	**D**	119	**D**
110	**C**		