



HLS & SCB SBU

Question Set – 1

- 1) Personal Computers or desktop computers are examples of:
 - (a) Mainframe computers
 - (b) Mini computers
 - (c) Micro-computers
 - (d) Super computers

- 2) Which of the following is used for manufacturing chips?
 - (a) Control Bus
 - (b) Semiconductor
 - (c) Control Unit
 - (d) Parity Unit



3) Which of the following are the two main components of the CPU?

- (a) Control unit and registers
- (b) Registers and main memory
- (c) Control unit and ALU
- (d) ALU and bus

4) From the options given below, which is not the key feature of Internal Memory?

- (a) Fast access
- (b) Limited storage capacity
- (c) No storage
- (d) Temporary storage

5) Which of the following translates the assembly language into machine code?

- (a) Compiler
- (b) Interpreter
- (c) Assembler
- (d) Microprocessor



6) What is the primary difference between a floppy disk and a hard disk?

- (a) Floppy disks are non-volatile storage, while hard disks are volatile storage.
- (b) Floppy disks have larger storage capacity than hard disks.
- (c) Floppy disks use magnetic storage, while hard disks do not.
- (d) Hard disks generally have a significantly larger storage capacity than floppy disks.

7) Scroll Lock key is a :

- (a) Cursor control key
- (b) Function key
- (c) Numeric Key
- (d) Toggle Key

8) Linux is a _____ type of software.

- (a) Proprietary
- (b) Shareware
- (c) Open Source
- (d) Commercial



9) In context of computers, FAT stands for _____.

- (a) Folder Access Table
- (b) File Access Table
- (c) File Allocation Table
- (d) Folder Allocation Table

10) In 1642, the calculating machine was introduced by _____.

- (a) Adam Pascal
- (b) Roman Koheller
- (c) Joseph Mark
- (d) Blaise Pascal

11) Transistor-based computer systems were developed in _____ generation of computers.

- (a) first
- (b) second
- (c) third
- (d) fourth



12) Combination of the best features of both digital and analog systems is:

- (a) Hybrid Computer
- (b) Analog computer
- (c) Dell computer
- (d) Digital Computer

13) Which of the following is largest memory in size?

- (a) Terabyte
- (b) Gigabyte
- (c) Megabyte
- (d) Kilobyte

14) Which contains the current instruction most recently fetched?

- (a) Program counter
- (b) Compiler
- (c) Data register
- (d) Instruction registers



15) Which of the following is a kind of non-impact printer?

- (a) Ink-jet printers
- (b) Dot-matrix printers
- (c) Daisy-wheel printers
- (d) Line printers

16) For non-ASCII symbols; UTF-8 uses _____ byte/bytes.

- (a) 1
- (b) 4
- (c) 2
- (d) 8

17) Which of the following is NOT a computer hardware?

- (a) Software
- (b) CPU
- (c) Floppy disk
- (d) Motherboard



18) The capacity of a standard Blu - ray disk with single layer is

- (a) 25 GB
- (b) 50 GB
- (c) 75 GB
- (d) 100 GB

19) Which of the following is NOT an anti-virus software?

- (a) McAfee
- (b) Oracle
- (c) Kaspersky
- (d) Norton

20) Which of the following is a full form of BIOS, it is related to computer?

- (a) Bass Input Output System
- (b) Board Input / Output System
- (c) Basic Input / Output System
- (d) Input Output System is prohibited



21) Third generation computers used _____.

- [a) VLSI technique
- [b) Transistors
- [c) Vacuum tubes
- [d) Integrated circuits

22) Which among the following is not a type of cyber crime?

- [a) Cyber Extortion
- [b) Data breach
- [c) Phishing
- [d) Corruption

23)

The _____ is a network device used to connect different devices through wires.

- a) Modem
- b) Ethernet hub
- c) Repeater
- d) Ethernet Card



- 24) Boolean algebra obeys
- a) commutative law only
 - b) distributive law only
 - c) associative law only
 - d) associative, distributive and commutative law
- 25) Which network topology started out as a simple peer-to-peer LAN and involves data communication?
- (a) Star
 - (b) Mesh
 - (c) Bus
 - (d) Ring



26)

In Microsoft Word, the _____ tab contains the most-used features, such as tools for changing fonts and font attributes, customising paragraphs, using styles, and finding and replacing text.

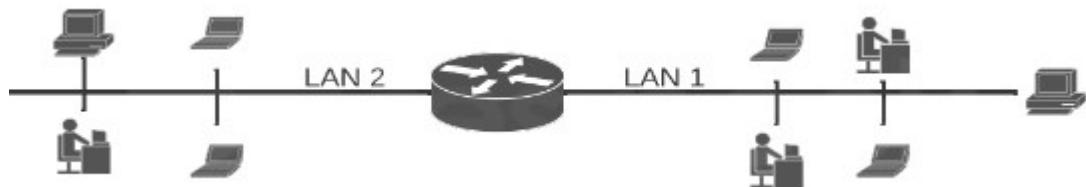
(a) HOME

(b) DESIGN

(c) REVIEW

(d) INSERT

27) Which network is represented by this network diagram?



(a) LAN

(b) WAN

(c) MAN

(d) PAN



28) Minimize the Boolean expression $x = ABC + \bar{A}B + A\bar{B}\bar{C}$

- (a) B
- (b) A
- (c) D
- (d) AB

29) Which of the following is NOT an e-commerce website?

- (a) Uber
- (b) Flipkart
- (c) Google Maps
- (d) Swiggy



30) The truth table

X	Y	F(X, Y)
0	0	0
0	1	0
1	0	1
1	1	1

(a) X

(b) X + Y

(c) X \oplus Y

(d) Y

represents the Boolean function

31) In hexadecimal number system the value of the base is:

(a) 6

(b) 8

(c) 16

(d) 2

32) What is the natural mask for a class C Network?

- (a) 255.255.255.1
- (b) 255.255.255.0
- (c) 255.255.255.254
- (d) 255.255.255.255

33) Optical fibre works on the principle of:

- (a) total internal refraction
- (b) Tyndall effect
- (c) laser technology
- (d) total internal reflection

34) The _____ also known as the physical or hardware address.

- (a) Host address
- (b) Socket Address
- (c) IP Address
- (d) MAC address

35)

A _____ is a vertical blinking line in a text editor that indicates the place where anything that is typed will appear.

(a) cursor

(b) layout

(c) header

(d) footer

36) What is the subnetwork number of a host with an IP address of

172.16.66.0/21?

(a) 172.16.36.0

(b) 172.16.48.0

(c) 172.16.64.0

(d) 172.16.0.0

(37) What is the shortcut key to print the selected object in MS Access?

(a) Ctrl + O

(b) Ctrl + P

(c) F12

(d) Ctrl + H

38)

Which of the following formula in Excel is correct to find the sum of cells A1, A2, A3, and A4?

(a) = sum (A1 – A4)

(b) = sum (A1 to A4)

(c) = sum (A1 ; A4)

(d) = sum (A1 : A4)

39) Match the following.

LIST – 1		LIST – 2	
I)	DVD + R	A)	Re-writable disk
II)	CD – RW	B)	Sequential access
III)	Magnetic Tape	C)	Record data only once

(a) I - C, II - B, III - A

(b) I - C, II - A, III - B

(c) I - B, II - A, III - C

(d) I - B, II - C, III - A

40)

Which of the following printers prints characters by poking them on an ink ribbon?

(a) Dot matrix

(b) LED

(c) Laser

(d) Inkjet

41)

Which of the following allows the software to be used for any purpose and enforces that the changed or modified software must also be licensed as that of the original ?

- (a) Patents
- (b) Reciprocal license
- (c) Copyright
- (d) Academic license

42) Which of the following is an application software?

- (a) Android
- (b) Windows NT
- (c) Ubuntu
- (d) AutoCAD

43) Which of the following is an example of a Primary Storage Device?

- (a) Hard Disk
- (b) Random Access Memory
- (c) Magnetic Tape
- (d) Optical Disc

44) Which of the following is an output device?

- (a) OCR device
- (b) Projector
- (c) MICR (Magnetic Ink Character Recognition (MICR))
- (d) Scanner

45) Which one of the following statements is correct?

A device driver of output devices

- (a) interprets input provided by users into computer usable form.
- (b) interprets computer output into user understandable form.
- (c) translates user inputs into output device.
- (d) facilitates user to communicate with output device.

46)

Preet wants to convert the scanned image of handwritten text into digital text. Which input device should she use?

- (a) Optical Character Reader
- (b) Magnetic Ink Character Recognition
- (c) Digital camera
- (d) Keyboard

47) _____ is a light-sensitive device that converts drawing, printed

text, or other images into digital form and stores in computer memory.

- (a) Barcode scanner
- (b) Optical Mark Recognition
- (c) Scanner
- (d) Plotter

48) Identify the volatile memories from the following list.

Cache, SRAM, DRAM, Hard Disk, CD, DVD

- (a) SRAM, DRAM, and DVD
- (b) Cache, SRAM, and DRAM
- (c) DRAM, CD, and DVD
- (d) Cache, DRAM, and CD

49) Which of the following specifies WLAN security standard?

- (a) IEEE 80.2.11
- (b) IEEE 802.11 g
- (c) IEEE 802.11 b
- (d) IEEE 802.11 i

50) Which of the following is not a LAN technology?

- (a) Ethernet
- (b) Token Ring
- (c) Fiber Distributed Data Interface
- (d) Frame Relay

51) Which of the following is not a valid type of network?

- (a) Personal Area Network
- (b) People area network
- (c) Local Area Network
- (d) Wide Area Network

52)

Which of the following device is used to connect similar LAN with same protocols?

- (a) Gateways
- (b) Router
- (c) Switches
- (d) Bridges

53) Office LANS, which are scattered geographically on large scale, can be

connected by the use of corporate _____.

- (a) CAN
- (b) LAN
- (c) DAN
- (d) WAN

54)

In which all nodes (workplace and other devices) are directly connected to a common central computer, what is that local area network (LAN) called?

- A. Ring
- B. Bus
- C. Star
- D. Vertical

(a) D

(b) A

(c) C

(d) B

55) Which statements are true about wide area network?

- I. Covers wide geographical area
- II. Communication take place by way of satellites, microwaves
- III. Relatively faster than local area network

(a) I, II and III

(b) I and II

(c) II and III

(d) I and III

56) Which among the following network topologies has the highest transmission speed?

- A) LAN
- B) WAN
- C) MAN
- D) Both LAN and WAN have equal transmission speeds.

(a) A

(b) B

(c) D

(d) C

57) Wide Area Network (WAN) has an inter-processor distance of _____.

(a) 100 km

(b) 1000 km

(c) Both 1 and 2

(d) None

58) Which of the following link act as a LAN in a remote backbone connected by remote bridges?

(a) point-to-point

(b) multipoint

(c) ring

(d) bus

59) Which of the following topologies gives highest reliability?

(a) Bus topology

(b) Ring topology

(c) Star topology

(d) Mesh topology

60)

Which network topology term got reference directions and marked on the edges of the graph by arrow heads?

- (a) Sub graph
- (b) Node
- (c) Vertex
- (d) Oriented graph

61) Which of the following is not a valid network topology?

- (a) Ring
- (b) Doughnut
- (c) Mesh
- (d) Star

62) In which topology, each device needs only one link and one I/O port to connect it to any number of others?

(a) Mesh

(b) Star

(c) Ring

(d) Bus

63)

A network has 4 nodes and 3 independent loops. What is the number of branches in the network?

(a) 5

(b) 7

(c) 8

(d) 6

64) If one link fails, the entire network can be disabled in _____.

(a) Mesh Topology

(b) Bus Topology

(c) Star Topology

(d) Bus and Ring Topology

65) Mesh is a loop that contains _____ loop(s) within it

- (a) 1
- (b) 2
- (c) 4
- (d) No

66) The number of independent loops for a network with n nodes and b branches is:

- (a) $n - 1$
- (b) $b - n$
- (c) $b - n + 1$
- (d) independent of the number of nodes

67) How many total links are required to connect 12 devices in a fully connected mesh network?

- (a) 144
- (b) 66
- (c) 72
- (d) 112

68) Assume six devices are arranged in a fully connected mesh topology,
how many input-output ports must each device have?

(a) 6

(b) 5

(c) 7

(d) 3

69) WLAN stands for _____.

(a) Wireless Local Area Network

(b) Wire Lost Area Network

(c) Wireless Local Ambiguity Network

(d) Wired Local Area Network

70) Which of the following connects two segments of same LAN?

(a) Hub

(b) Router

(c) Repeater

(d) Switch

71) A computer network which connects an entire city is called?

(a) LAN

(b) WAN

(c) SAN

(d) MAN

72) What of the following is/are false?

I. Sublayer Media Access Control (MAC) defines different protocol for different LANs

II. Sublayer Logical Link Control (LLC) defines different protocol for different LANs

(a) Only I

(b) Only II

(c) Both I and II

(d) None of these

73)

Which of the following CANNOT be used for the implementation of WAN?

- (a) Cable modem
- (b) Fiber optic communication
- (c) Dial up Internet
- (d) All of the above can be used

74) Bluetooth is an example of:

- (a) LAN
- (b) MAN
- (c) WAN
- (d) PAN

75) _____ is the most widely used local area network protocol.

- (a) Token Bus
- (b) Ethernet
- (c) Token Ring
- (d) none of the above

76) Frames from one LAN can be transmitted to another LAN via

(a) Repeater

(b) Bridge

(c) Modem

(d) Router

77) LAN works on which of the following Layers?

(a) Physical

(b) Datalink

(c) Datalink and Network

(d) Physical and Datalink

78) In computer networks, SAN is majorly used to abbreviate:

A. Storage Area Network

B. Server Area Network

C. Small Area Network

(a) Only A

(b) Only C

(c) Both A & C

(d) A, B & C

79)

_____ does not require access to public infrastructure such as cell phone towers or the internet in order to send messages between two phones. Instead, they utilize Bluetooth or direct Wi-Fi connections.

(a) Offline messaging

(b) Online messaging

(c) Instant messaging

(d) Chatting

80)

Which of the following is the term used to describe the process of transferring files from your PC to another computer over the Internet, usually a web server?

(a) Downloading

(b) Uploading

(c) Spoofing

(d) Processing

81)

State whether the following statements are true or false.

(i) FTP is primarily designed for transferring large files and provides the ability to resume downloads after an interruption.

(ii) TCP establishes a connection at both ends before any data flow.

(a) (i) - True, (ii) - False

(b) (i) - True, (ii) - True

(c) (i) - False, (ii) - True

(d) (i) - False, (ii) - False

82)

Which one of the following protocol is used to receive gmail (or) yahoo (or) Hotmail messages?

- (a) Simple Mail Transfer Protocol (SMTP)
- (b) Post Office Protocol 3 (POP3)
- (c) Internet Message Access Protocol (IMAP)
- (d) Both option 2 and option 3

83)

Which of the following Credit Card Fraud Detection Techniques marks a person as a fraudster if many orders are placed to be delivered at the same address by different credit cards?

- (a) Xcart
- (b) Pattern Detection
- (c) Fraud Screening Detection
- (d) Card Watch

84)

Which of the following statement(s) is/are true?

- (i) Emails from senders who are in your blacklist always go to Spam folder.
 - (ii) Drafts folder contains your saved emails, which you can send or edit later.
- (a) Only (i)
 - (b) Neither (I) nor (II)
 - (c) Only (ii)
 - (d) Both (i) and (ii)

85) MIME stands for

- (a) Multipurpose Internet Mail Extensions
- (b) Multipurpose Internet Mail Email
- (c) Multipurpose Internet Mail End
- (d) Multipurpose Internet Mail Extra
