

Section 1 - Computer Networks

1) Biometric readers used for identification could not include the element for checking

- A) Fingerprint
 - B) Digital Pin
 - C) Face Geometry
 - D) Eye
-

2) In _____ topology all nodes like workstations, printers, laptops servers etc. are connected through single communication line that carries messages, and the transmitted signal travels the cable length in both directions from the sending computer.

- A) Ring
 - B) No Such Topology
 - C) Bus
 - D) Star
-

3) generation computers used vacuum tubes or valves inside.

- A) Fourth
 - B) First
 - C) Third
 - D) Second
-

4) A computer system which provides various services to the client/Terminal/workstation is called-

- A) Service Provider computer
- B) Small Terminals
- C) Servers
- D) Laptops

5) To close an active window using which Modifier key

- A) <CTRL> + <F4>
 - B) <WIN> + <Q>
 - C) <ALT> + <F4>
 - D) <ALT> + <CTRL>
-

6) By default the taskbar in Ubuntu is located at-

- A) The Centre of your screen
 - B) The top of your screen
 - C) The bottom of your screen
 - D) The left side of your screen
-

7) Which layer controls frame synchronization, flow control and error checking in networking?

- A) MAC
 - B) Session
 - C) Data Link
 - D) LLC
-

8) Transport layer is responsible for process-to-process delivery of the-

- A) Part Message
 - B) Entire Message
 - C) Message
 - D) Half Message
-

9) Which device uses a DMA channel -

- A) Sound Card
- B) Modem
- C) Graphic Card
- D) Network Card

10) Work of Switch in a Network is:

- A) Forwards data only to the port on which the destination system is connected.
 - B) None of the given.
 - C) Determines on which outgoing link a packet is to be forwarded.
 - D) Forward a packet to all outgoing links.
-

11) Which of the following is a faster version of GSM wireless service, designed to deliver data at rates up to 384 Kbps and enable the delivery of multimedia and other broadband applications to mobile phone and computer users?

- A) None of the given
 - B) BREW
 - C) EDGE
 - D) ESMR
-

12) Sending an E-mail is similar to-

- A) Chatting over internet
 - B) Writing a letter
 - C) Typing an article
 - D) Sending a package
-

13) In which modulation, the analog carrier signal is modulated by a digital bit stream.

- A) Analog Modulation
 - B) Digital Modulation
 - C) Frequency Modulation
 - D) Phase Modulation
-

14) The -----scanners are useful for capturing short pages, labels, visiting cards, newspaper documents.

- A) Sheet feed
- B) Handheld
- C) Not possible
- D) Flatbed

15) _____ utility is used for network connectivity from windows operating system to Linux operating system.

- A) Telnet
 - B) Tracepart
 - C) Telwindows
 - D) nslookup
-

16) Mickeys per second is a unit of measurement for the speed and movement direction of a -----

- A) Computer Mouse
 - B) Not any unit
 - C) Data Transfer
 - D) Arrow Keystroke
-

17) A is used for better bass tone:

- A) Speaker
 - B) Subwoofer
 - C) Headphone
 - D) Twitter
-

18) Which of the following is not true about Supernetting?

- A) It is used to increase security.
 - B) Bits are borrowed from network ID portion.
 - C) It is applicable for two or more networks.
 - D) It is used to improve flexibility of IP address allotment.
-

19) Primary tasks of the operating system is to take input from the user as:

- A) File
- B) Voice
- C) Images
- D) Command

20) A Bus cycle is equal to how many clocking periods?

- A) Six
 - B) Four
 - C) Two
 - D) Three
-

21) Providing user interference, booting the computer, managing and monitoring system resources are task performed by:

- A) Processor
 - B) Utility Programs
 - C) File handlers
 - D) Operating System
-

22) In microwave transmission to solve line-of-sight and power amplification problem, use of which component is needed?

- A) Transistors
 - B) Repeaters
 - C) Reflectors
 - D) Amplifiers
-

23) If a network is connected to the computer it could be accessed by a _____ address in a browser-

- A) 255.255.255.255
 - B) 192.168.1.1
 - C) 192.162.1:101
 - D) local IP
-

24) For which range of frequency, the length of antenna would stretch to kilometers.

- A) ALL frequency range
 - B) Large
 - C) Medium
 - D) Small
-

25) Who is being credited as the inventor of computing machinery -

- A) Charles Darwin
 - B) B. C. Bose
 - C) Dennis Ritchie
 - D) Charles Babbage
-

26) Global and local addressing are types of-

- A) Local area circuit network
 - B) WAN network
 - C) None of the given
 - D) Virtual-circuit network
-

27) In OSI model data, encryption / decryption will take place at -

- A) Presentation layer
 - B) None of the given
 - C) Application layer
 - D) Data Link layer
-

28) In RFID system, _____ is a light display panel or sound panel used to indicate or alert the users and management about an omission or a commission.

- A) Controller
 - B) Actuator
 - C) Annunciator Panel
 - D) Sensor
-

29) Stylus is a synonym of-

- A) Light Pen
- B) Notepad
- C) Ball Pen
- D) Mobile Stick

30) Which layer controls frame synchronization, flow control and error checking in networking?

- A) Session
 - B) LLC
 - C) MAC
 - D) Data Link
-

31) Full form of ICMP is:

- A) Intranet Complex Message Protocol
 - B) Intranet Control Message Protocol
 - C) Institute of Cipher Management and Protocols
 - D) Internet Control Message Protocol
-

32) The highest transmission speed in a network among the following is provided by:

- A) Optical Fiber
 - B) Electric Cable
 - C) Twisted Pair Cable
 - D) Coaxial Cable
-

33) Monochrome monitors display.

- A) Two colors, one in background and other in foreground
 - B) Multi Color
 - C) Three colors
 - D) Single color, only in foreground
-

34) Bluetooth packets may be _____ slots long?

- A) 4
- B) 1, 3 or 5
- C) 2
- D) 1

35) Sony released the Betacam system for single camera-recorder unit in year.

- A) 1982
 - B) 1990
 - C) 1980
 - D) 1900
-

36) The ATM receipts and local bus travel tickets are portably printed by which printing method

- A) Toner or solid inks
 - B) Laser
 - C) Embossed
 - D) Inkjet
-

37) Identify the statement which cannot be associated with OSI model-

- A) None of the given
 - B) A structured way to discuss and easier update system components
 - C) Functionality at one layer no way requires information from another layer
 - D) One layer may duplicate lower layer functionality
-

38) In a Network Interference Card the term 10/100 refers to-

- A) Protocol Speed
 - B) Mbps
 - C) Fiber Speed
 - D) Product Detail
-

39) The register holds the smallest legal physical memory address and the register specifies the size of the range.

- A) base, limit
 - B) index, limit
 - C) limit, base
 - D) base, index
-

40) Which network device does not require power to generate data signal?

- A) Switch
 - B) Passive Hub
 - C) Active Hub
 - D) None of given
-

41) A firewall is used in a network as it provides:

- A) An established network performance reference point
 - B) Routing Gateway
 - C) An antivirus that protects network from viruses
 - D) Software or hardware used to isolate a private network from a public network
-

42) CSMA/CD is abbreviation of:

- A) Carrier Sensed Multiple Access with Collision Detection
 - B) Career Sensed Multiple Access with Circulated Data
 - C) Career Sensed Multiple Access with Corrected Data
 - D) Carrier Sense Multiple Access with Correction Detection
-

43) A repeater is a connecting device that operates in the _____ layer of the Internet model.

- A) Physical
 - B) Network
 - C) None of the given
 - D) Data Link
-

44) Which camcorder component converts light to electric signal

- A) Imager
- B) Software
- C) Lens
- D) Recorder

45) Data transmission in wireless input devices occur via infrared radiation using _____ technology.

- A) VLAN
 - B) NOT LISTED
 - C) i TECH
 - D) i RDA
-

46) To facilitate connection between other devices and the CPU, system requires_____.

- A) System Software
 - B) Utility Software
 - C) Device Driver
 - D) Ms-Word
-

47) ISDN stands for-

- A) Cut-through
 - B) Not a valid method
 - C) Fragment Free
 - D) Store-and-forward
-

48) Which one of the following extends a private network across public networks?

- A) Enterprise private network
 - B) Storage area network
 - C) Virtual private network
 - D) Local area network
-

49) CAT5 cable consists of _____ twisted pair.

- A) 8
- B) 3
- C) 2
- D) 4

50) First layer of Open System Interconnection (OSI) is:

- A) Transport
 - B) Physical
 - C) Network
 - D) Session
-

51) During BOOT-UP, the memory test-

- A) Is a superfluous step that should be ignored
 - B) Displays what memory is installed, but nothing else
 - C) Is an operational error
 - D) Checks and verifies that contiguous memory is installed
-

52) The size of an Ethernet MAC address

- A) 48 bits
 - B) 8 bits
 - C) 64 bits
 - D) 16 bits
-

53) How an optical pointing device (mouse) works

- A) Magnetic Property
 - B) Rolling Ball
 - C) Infrasonic Sound
 - D) Light Emitted
-

54) Designing Network layer helped to solve delivery problem through:

- A) Several Link
- B) None of the given
- C) Single Link
- D) Multi Link

55) To use windows firewall in windows which control panel category is used

- A) Ease of Access
 - B) Programs
 - C) System and Security
 - D) Hardware and Sound
-

56) At which frequency range Bluetooth operates?

- A) 2. 55 Ghz
 - B) 1. 15 Ghz
 - C) 2. 35 Ghz
 - D) 2. 45 Ghz
-

57) Reader technology which uses electromagnetic radio waves to read tags.

- A) OCR
 - B) RFID
 - C) OMR
 - D) MICR
-

58) Multiplexing involves path and channel.

- A) one, multiple
 - B) none
 - C) one, one
 - D) multiple, one
-

59) Why error-404 arises during web surfing

- A) Non-compatibility
- B) Server access denied
- C) Stealth activity noticed
- D) Requested page could not be found

60) Which is the store by register?

- A) Data
 - B) Memory
 - C) Register
 - D) Operands
-

61) Resistance is measured in-

- A) Joule
 - B) Ohms
 - C) Volts
 - D) Ampere
-

62) The first technique discovered posed a serious threat to virus scanner-

- A) None of the given
 - B) Antimorphic Code
 - C) Polymorphic Code
 - D) Vulnerability Code
-

63) Listed is not used in a LAN connection.

- A) Cables
 - B) NIC
 - C) Modulator-Demodulator
 - D) Devices
-

64) The terms 'red', 'yellow' and 'orange' book refers to-

- A) Hard Drives
- B) IDE
- C) RAM Coding
- D) CD-ROM Standards

65) The Green Screen is the most common name given to:

- A) 7 segment Display
 - B) Monochrome P1 monitors
 - C) RGB Monitors
 - D) Coloured monitors
-

66) Network layer at source is responsible for creating a packet from data coming from another

- A) Data
 - B) IP
 - C) Protocol
 - D) Firewall
-

67) In slotted ALOHA, a maximum throughput of _____ percent at 100 percent of offered load can be achieved, while it is _____ percentage for pure ALOHA.

- A) 38, 19
 - B) 36, 17
 - C) 37, 18
 - D) 20, 20
-

68) Why is a BNC connector used?

- A) telephone connector used on modern telephone lines
 - B) used to connect the SMPS to motherboard
 - C) used to connect computers to category 5 unshielded twisted pair cables in a network
 - D) connector used with coaxial cable
-

69) If the sequence number of a segment recently received does not match with the sequence number the receiver was expecting, then it is discarded and _____ is sent back.

- A) None of the given
- B) NACK
- C) ACCESS DENIED
- D) ERROR

70) Principle working of Dynamic microphone is:

- A) Diaphragm Movement
 - B) Electromagnetic Induction
 - C) Electric charges
 - D) Charge Transfer
-

71) Listed is not a component of SNMP-managed network

- A) NMS
 - B) UDP
 - C) Agent
 - D) Managed device
-

72) In TCP header 'RST' used in Flags (1-bit) does not have this feature:

- A) It is used to reject a segment
 - B) It is used to refuse an incoming connection
 - C) It is used to restart a connection
 - D) Set up a connection between hosts
-

73) In _____ method of memory allocation, if absence of true memory size required to run a program even if total free memory blocks at different locations are available still the program would not load.

- A) Buffering and Spooling
 - B) Swapping
 - C) Fragmentation
 - D) Paged Memory Management Technique
-

74) Connectors used to connect devices on PSTN lines.

- A) RJ-45
 - B) BNC
 - C) RJ-11
 - D) Wireless
-

75) From what location are the primary computer instructions made available on boot up-

- A) Config.sys
 - B) ROM BIOS
 - C) CPU
 - D) Boot.ini
-

76) In microwave communication a transmitter and receiver should be-

- A) Not more than 10 mtrs
 - B) Aligned
 - C) Close
 - D) Not aligned
-

77) Which of the following is not used as secondary storage?

- A) Magnetic tapes
 - B) Magnetic drums
 - C) Magnetic disks
 - D) Semiconductor memory
-

78) The Brain of computer is -----

- A) CPU
 - B) ALU
 - C) LED
 - D) CRT
-

79) The language which the computer understands and executes is called-

- A) HLL
 - B) Machine Language
 - C) All of the given
 - D) Assembly Language
-

80) Values held in a CMOS for a hard drive is-

- A) Virus Alert
 - B) Free Space
 - C) IRQ
 - D) Size (heads, cylinder, sectors)
-

81) Memories in which any location can be reached in a fixed (and short) amount of time after specifying its address is called

- A) Secondary memory
 - B) Sequential-access memory
 - C) Random-access memory
 - D) Mass Storage
-

82) Network Cards use_____.

- A) PS/2 Connectors
 - B) RJ-45 Connectors
 - C) USB Connectors
 - D) DIN Connectors
-

83) Best way to protect the hard drive data?

- A) Run chkdsk periodically
- B) None of the given
- C) Regular Backups
- D) Run a regular diagnostic

84) To prevent unauthorized modification of resources and maintain the status quo, and the alteration of resources like information may be caused by a desire for personal gain or a need for revenge can be categorised under _____terminology of security

- A) Confidentiality
 - B) Availability
 - C) Integrity
 - D) Physical security
-

85) Carbon microphones were once commonly used in.

- A) Never Used
 - B) Mobile
 - C) Telephones
 - D) Table Mic
-

86) The 3G Mobile Network Transmission speed can vary:

- A) 250Kbps to 2Mbps
 - B) 125Kbps to 2Mbps
 - C) 100Kbps to 2Mbps
 - D) 150Kbps to 2Mbps
-

87) Which is used to store critical pieces of data during subroutines and interrupts?

- A) Stack
 - B) Queue
 - C) Data Register
 - D) Accumulator
-

88) One of this is not included in a network edge device list-

- A) HUB
 - B) PC
 - C) Servers
 - D) Smartphones
-

89) The cable length for normal transmission in twisted pair is-

- A) Upto 1KMtrs.
 - B) 100 KMtrs.
 - C) 2000 Mtrs.
 - D) Upto 50 KMtrs.
-

90) Which is an operating system designed for devices such as cash registers, ATM machines, thin clients and consumable electronic devices?

- A) Windows-98
 - B) Mac Os
 - C) Kali Linux
 - D) Windows Embedded
-

91) Backdoor computing or cryptosystem are related to gaining access of system, which of this most probably does not allow backdoor access-

- A) Malware
 - B) Firewall
 - C) Modulators
 - D) Encryption algorithm
-

92) Facilitate Communication, Centralized Support and Administration, Resource Sharing can be implemented by the direct use of feature-

- A) Power
- B) Android
- C) Network
- D) Processors

93) To show LCD panel content even in dark, fluorescent light is mounted this technique is called as:

- A) Fluorescence
 - B) Modification
 - C) Dimming
 - D) Backlighting
-

94) A virtual local area network (VLAN) is configured by _____.

- A) Software
 - B) Hardware
 - C) None of the given
 - D) Physical wiring
-

95) Which tool is used to check the serial and parallel ports?

- A) Wrap Plugs
 - B) Cable Scanner
 - C) Voltmeter
 - D) Sniffer
-

96) The top most directory of hierarchy is called. directory.

- A) Sub
 - B) Root
 - C) Main
 - D) Primary
-

97) EDGE speed of data transmission as compared to a 3G connection is-

- A) Slower
 - B) Faster
 - C) Equal
 - D) Variable
-

98) Disadvantage for using P2P networking is:

- A) Decentralizes the services on a multiuser network.
 - B) Single server application.
 - C) Network naming could not be altered.
 - D) Common users in same user name.
-

99) A micro-processor directly understand -----language.

- A) Simple English
 - B) Binary
 - C) Decode
 - D) Sanskrit
-

100) LAN working range is for group of computers in-

- A) Nearby Cities
- B) In campus
- C) A City
- D) A building

Answer Keys
Question Paper No: 60882_7

1	B	26	D	51	D	76	B
2	C	27	A	52	A	77	D
3	B	28	C	53	D	78	A
4	C	29	A	54	A	79	B
5	C	30	B	55	C	80	D
6	D	31	D	56	D	81	C
7	D	32	A	57	B	82	B
8	B	33	A	58	A	83	C
9	A	34	B	59	D	84	C
10	A	35	A	60	A	85	C
11	C	36	A	61	B	86	B
12	B	37	C	62	C	87	A
13	B	38	B	63	C	88	A
14	B	39	A	64	D	89	A
15	A	40	B	65	B	90	D
16	A	41	D	66	C	91	B
17	B	42	A	67	C	92	C
18	B	43	A	68	D	93	D
19	D	44	A	69	B	94	A
20	B	45	D	70	B	95	A
21	D	46	C	71	B	96	B
22	B	47	D	72	D	97	A
23	D	48	C	73	C	98	A
24	D	49	D	74	A	99	B
25	D	50	B	75	B	100	B