PSC Junior Instructor - Network Technician - Industrial Training Department Examination Previous Year Question Paper

Exam Name: *Junior Instructor - Network Technician - Industrial Training Department*

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Medium of Questions: English

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Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Full form of OSI :
   - (A) Open systems interconnect
   - (B) Operating system interconnect
   - (C) Other systems interconnect
   - (D) None of the above

2. Delivery of sequence of packets are done at :
   - (A) Physical layer
   - (B) Data link layer
   - (C) Transport layer
   - (D) Session layer

3. What is FCC?
   - (A) Federal communications committee
   - (B) Fast collision coefficient
   - (C) File control connector
   - (D) None of the above

4. Full form of SONET :
   - (A) Synchronous optical network
   - (B) Satellite observation network
   - (C) Semantic optional network
   - (D) Systematic observation network

5. What is DBS?
   - (A) Data base systems
   - (B) Direct broadcast satellite
   - (C) Data bound services
   - (D) None of the above

6. Heavy duty coaxial cables are called :
   - (A) Thin cable
   - (B) Thick cable
   - (C) Heavy cable
   - (D) Copper cable

7. IEEE 802.11 is standard for :
   - (A) Wireless personal area network
   - (B) Wireless local area network
   - (C) Optical networks
   - (D) None of the above

8. Which is best suited for ALOHA?
   - (A) Multiple access channel
   - (B) Carrier sense
   - (C) No carrier sense
   - (D) Flow control

A   3

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9. Point to point transmission with one sender and one receiver is called as :
    (A) Multicasting   (B) Single casting
    (C) Unicasting   (D) Broadcasting

10. POP serves for :
    (A) Sending e-mail to remote server
    (B) Retrieving e-mail from remote server
    (C) Access mailbox account on mail server
    (D) None of the above

11. Best name for a junction that allows one to enter in to network or to exit out of the network :
    (A) Hub   (B) Router
    (C) Gateway   (D) Switch

12. A node on a network can be :
    (A) Computer   (B) Workstation
    (C) Printer   (D) Any of the above

13. Which of the following devices will increase the band width and separating collision domains?
    (A) Switch   (B) Hub
    (C) Router   (D) Bridge

14. Repeater operates on :
    (A) Data link layer   (B) Presentation layer
    (C) Physical layer   (D) Network layer

15. IPv. 6 address space :
    (A) 16 bits long   (B) 32 bits long
    (C) 64 bits long   (D) 128 bits long

16. Address 198.76.9.23 belongs to which class :
    (A) Class A   (B) Class B
    (C) Class C   (D) Class D

17. The host id of the address 129.6.8.4 is :
    (A) 8.4   (B) 129.6
    (C) 6.8   (D) None of the above

18. Process of extracting the address of physical network from an IP address is called :
    (A) Mapping   (B) Masking
    (C) Subnetting   (D) Spooling

19. Which of the following allows a host to discover its Internet address when it knows only its physical address?
    (A) RARP   (B) ICMP
    (C) IGMP   (D) ARP

20. Which of the following is a framework for managing devices in an internet using TCP/IP protocol suit?
    (A) SMI   (B) SNMP
    (C) MIB   (D) BER

21. In which of the following layers Framing is performed?
    (A) Physical layer   (B) Network layer
    (C) Session layer   (D) Data link layer

22. Digital transmission is sometimes called as :
    (A) Multiplexed transmission   (B) Line coded transmission
    (C) Baseband transmission   (D) Composite transmission

23. FDISK is used for :
    (A) Formatting disk   (B) Creating partitions on disk
    (C) Creating a boot disk   (D) Fixing errors on disk

24. What is meant by Seek time?
    (A) Time to select a track
    (B) Time to select a sector
    (C) Time taken to access a data
    (D) Time taken by the disk for one complete rotation

25. Bandwidth of a network represents :
    (A) No. of connecting links
    (B) No. of packets that can be transmitted
    (C) Transmission capacity of channel
    (D) All the above

26. Which of the following is used to send mail on internet?

    (A) FTP   (B) HTTP

    (C) POP   (D) SMTP

27. X.25 stands for :

    (A) Protocol for packet switching   (B) A data link layer protocol

    (C) A GUI standard   (D) Protocol for Framing

28. The notation X on CD/DVD drives represents :

    (A) 15 KB/Sec   (B) 150 KB/Sec

    (C) 1500 KB/Sec   (D) 15000 KB/Sec

29. Land and pit in optical disk represents :

    (A) 1 and 0 respectively   (B) 0 and 1 respectively

    (C) 1 and 11 respectively   (D) 11 and 1 respectively

30. UV light is used to erase data stored in :

    (A) PROM   (B) EPROM

    (C) EEPROM   (D) None of the above

31. The data block a very large file in UNIX file system are allocated using:

    (A) Contiguous allocation   (B) Linked allocation

    (C) Indexed allocation   (D) An extension of indexed allocation

32. A telephone switch is a good example for :

    (A) Packet   (B) Buffer

    (C) Fabric   (D) Circuit

33. Hamming code is a method of :

    (A) Error detection   (B) Error correction

    (C) Both error detection and correction   (D) Analog to digital conversion

34. The principle of locality of reference justifies the use of :

    (A) Interrupts   (B) Polling

    (C) Thrashing   (D) Cache memory

35. The rating in bits per second for UTP Cat 5 wiring is :
    (A) 2 Mbps   (B) 4 Mbps
    (C) 10 Mbps   (D) 100 Mbps

36. Jobs sent to a printer are generally placed on a :
    (A) Queue   (B) Priority queue
    (C) Stack   (D) Hash table

37. Which of the following network architecture was developed by IBM?
    (A) XNS   (B) DECNET
    (C) SNA   (D) Novell

38. DNS is used to locate the :
    (A) MAC address of URL   (B) IP address of URL
    (C) Root domain of URL   (D) Domain name of a URL

39. In communication satellite multiple repeaters are known as :
    (A) Detector   (B) Modulator
    (C) Stations   (D) Transponders

40. What is compaction?
    (A) A technique for overcoming fatal error
    (B) A paging technique
    (C) A technique to overcome internal fragmentation
    (D) A technique to overcome external fragmentation

41. The set of tracks that are at one arm position make up a :
    (A) Disk surface   (B) Cylinders
    (C) Disk thrash   (D) Sectors

42. Which is true regarding Cross compiler?
    (A) Which is written in a language that is different from source language
    (B) That generates object code for its host machine
    (C) Which is written in a language that is same as the source language
    (D) That runs on one machine but produces object code for another machine

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43. SRAM is used for :
    (A) Construction of RAM   (B) Construction of Cache
    (C) Construction of ROM   (D) Construction of SDRAM

44. Microsoft is planning to release ———— OS that will support PCs, smart phones, tablets and laptop :
    (A) Windows 8.2   (B) Windows 8.3
    (C) Windows 9   (D) Windows 10

45. Booting is process of :
    (A) Loading application program from secondary memory to primary memory
    (B) Loading OS from secondary memory to primary memory
    (C) Loading OS from primary memory to secondary memory
    (D) All of the above

46. 1 TB represents :
    (A) 1024 GB   (B) 1024X1024 GB
    (C) 1024X1024X1024 GB   (D) 1024X1024X1024X1024 GB

47. Who developed Android operating system?
    (A) Samsung   (B) Microsoft
    (C) Google   (D) None of the above

48. ———— is a type of computer virus that pretends to be a regular downloadable program, but once downloaded it harms the system.
    (A) Trojan Horse   (B) Spam
    (C) Worm   (D) None of the above

49. 1 nibble represents :
    (A) 32 bits   (B) 16 bits
    (C) 8 bits   (D) 4 bits

50. An operating system performs :
    (A) Resource management
    (B) Process management
    (C) Provides interface between user and hardware
    (D) All the above

51. Which IEEE standard defines LLC and MAC sublayers?

    (A) 802.1   (B) 802.2

    (C) 802.3   (D) 802.4

52. ——————— media access method is used in Ethernet networks.

    (A) Token passing   (B) CSMA/CD

    (C) CSMA/CA   (D) All the above

53. Which of the following topology is generally most reliable?

    (A) Mesh   (B) Start

    (C) Ring   (D) Bus

54. Which of the following is not a protocol related to TCP/IP?

    (A) SLIP   (B) FTP

    (C) IPX   (D) DHCP

55. Which of the following is not an advantage of the NTFS file system?

    (A) Higher security

    (B) Efficient for small disk capabilities

    (C) Fault tolerance

    (D) Better use of large disk capabilities

56. Which of the following TCP/IP port is used for web server?

    (A) 20   (B) 40

    (C) 60   (D) 80

57. ——————— is pressed during boot process to display the startup menu.

    (A) F6   (B) F7

    (C) F8   (D) F9

58. Which of the following is invention of Charles Babbage?

    (A) Abacus   (B) Numerical wheel calculator

    (C) ENIAC   (D) Difference engine

59. Full form of USB

    (A) Universal Synchronous Bus   (B) Universal System Bus

    (C) Universal Serial Bus   (D) Universal Static Bus

60. Data accessing time from a disk depends on :
    (A) Latency time
    (B) Seek time
    (C) Backoff factor
    (D) Both (A) and (B)

61. Bluetooth operates in the range :
    (A) 2400-2483.5 MHz
    (B) 8000-8550.5 MHz
    (C) 1000- 1500.5 MHz
    (D) 9000-9385.5 MHz

62. Full form of WiFi :
    (A) Wireless first
    (B) Wireless friendly
    (C) Wireless fetching
    (D) Wireless fidelity

63. Mark Zuckerberg is related to :
    (A) Facebook
    (B) Google
    (C) Whatsapp
    (D) Wikipedia

64. Original UNIX was developed by :
    (A) Linus Torwald
    (B) Ken Thomson, Dennis Ritchie
    (C) Allen Torin, Michael Stephnes
    (D) Robert Cooper

65. DOS command ping is used :
    (A) To connect system in to network
    (B) To check system is working properly
    (C) To check system is in network or not
    (D) To check memory of the system

66. A collection of computers which seems to be a single system for the users :
    (A) Distributed systems
    (B) Computer network systems
    (C) Ad hoc network systems
    (D) Both (A) and (B)

67. A communication channel is shared by all the machines in the network in :
    (A) Unicast network
    (B) Multicast network
    (C) Broadcast network
    (D) Point to point networks

68. Topology in which a central computer surrounded by one or more computers is called :

    (A) Ring topology   (B) Star topology

    (C) Tree topology   (D) Bus topology

69. Weakening of signal power as light travels down in fiber optic cable is called as :

    (A) Attenuation   (B) Signal fall

    (C) Scattering   (D) Frequency fall

70. Laser printer is :

    (A) Character printer   (B) Line printer

    (C) Page printer   (D) Bulk printer

71. Constant refreshing of cells are needed in :

    (A) SRAM   (B) DRAM

    (C) Cache   (D) Registers

72. Which of the following bidirectional?

    (A) Control bus   (B) Address bus

    (C) Data bus   (D) All the above

73. RS 232 is a standard applied to :

    (A) Serial port   (B) Parallel port

    (C) USB port   (D) Networks

74. Knowledge base is related to :

    (A) Compilers   (B) Operating systems

    (C) Artificial intelligence   (D) GUI

75. —————————— defines a common logical format for files and directories of data disk.

    (A) ISO 9330   (B) ISO 9440

    (C) ISO 9550   (D) ISO 9660

76. The basic architecture of computer was developed by :

    (A) Charles Babbage   (B) Blaise Pascal

    (C) John Von Neumann   (D) None of the above

77. Which of the following is first Intel processor?

    (A)   4004   (B)   4040

    (C)   4001   (D)   8085

78. When was the first email send?

    (A)   1961   (B)   1965

    (C)   1971   (D)   1975

79. Memory which is programmed at manufacturing time only :

    (A)   EEPROM   (B)   EPROM

    (C)   PROM   (D)   ROM

80. Memory in which data accessing has to follow a sequence :

    (A)   Magnetic tape   (B)   Magnetic disk

    (C)   Optical disk   (D)   Random access memory

81. Bihu dance is the popular folk dance of :

    (A)   Maharashtra   (B)   Assam

    (C)   Karnataka   (D)   Arunachal Pradesh

82. Specialisation in treatment of diseases in children?

    (A)   Paediatrics   (B)   Cardiology

    (C)   Geriatrics   (D)   Oncology

83. Sherlock Holmes is a fictional detective created by :

    (A)   Shakespeare   (B)   R.K. Narayanan

    (C)   Sir Arthur conun Doyle   (D)   Octovio paz

84. The river Godavari, the longest river among the peninsular rivers originates in :

    (A)   Maikala Ranges of Madhyapradesh

    (B)   Nilgiri Mountains in Tamil Nadu

    (C)   Mount Everest

    (D)   Western Ghat region of Nasik District in Maharashtra

85. The winds blowing from the sub tropical high pressure belts to the equatorial low pressure belts?

    (A) Westerly winds   (B) Monsoon winds

    (C) Polar winds   (D) Trade winds

86. Head quarters of the United Nations Educational, scientific and cultural organization?

    (A) Rome   (B) Geneva

    (C) Newyork   (D) Paris

87. Who is the Home Minister of Kerala State?

    (A) Thiruvanchoor Radhakrishnan   (B) Adoor Prakash

    (C) Ramesh Chennithala   (D) None of these

88. Which is the South Indian ancient dynasty famous for its village administration?

    (A) Pandya   (B) Chola

    (C) Chera   (D) Vijaya Nagara

89. The English Naturalist who presented the hypothesis of evolution as a theory?

    (A) Charles Rober Darwin   (B) Gregor Mendel

    (C) Herbert Spencer   (D) William Johns.

90. Awami League Secured majority in the parliamentary election held in

    (A) Pakisthan   (B) Bahrain

    (C) Bangladesh   (D) Afghanistan

91. What is the name of Militia organized by Nazis in Germany?

    (A) Brown Shirts   (B) Black shirts

    (C) Red volunteers   (D) German volunteers

92. One of the following is not the member of State Re organization commission , Who is he?

    (A) Zakir Hussain   (B) Justice Fazal Ali

    (C) Sardar KM Panikkar   (D) Hridayanath Kunsru

93. Iron and Steel industries were started at Rourkela with the aid of :
    (A)   United States of America
    (B)   Soviet Union
    (C)   France
    (D)   Germany

94. Which Organisation was started by Acharya Vinoba Bhave?
    (A)   All India Kisan Sabha
    (B)   Bhoodan movement
    (C)   AITUC
    (D)   Socialist party

95. Which is the oldest university in Kerala?
    (A)   University of Calicut
    (B)   Sanskrit university, Kalady
    (C)   University of Travancore
    (D)   Mahatma Gandhi university

96. Who gave leadership to the movement to put an end to the disabilities of the Channar community?
    (A)   Chattampi Swamikal
    (B)   Ayyankali
    (C)   Sree Narayana Guru
    (D)   Vaikuntaswami

97. Who published "Al Islam" Arabic-Malayalam monthly?
    (A)   Abdurahman Sahib
    (B)   Moulana Shoukath Ali
    (C)   Moulana Muhammed Ali
    (D)   Vakkam Abdul khadar Moulavi

98. Shivaji was assisted in administration by :
    (A)   Ashtapradhan
    (B)   Nava Ratnas
    (C)   Ashta Diggajas
    (D)   Raja Todarmal

99. Who wrote Arthasastra, the book enumerates a full fledged definition of state?
    (A)   Athula
    (B)   Chandra Gupta Mourya
    (C)   Kautilya
    (D)   S.R. Rao

100. India observes National integration Day on :
    (A)   7th April
    (B)   19th November
    (C)   10th December
    (D)   23rd March