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KPSC
Tradesman

Previous Year Paper
Hardware Maintenance
09 Oct, 2015

1. The terms "Red book", "Yellow book" and "Orange book" refer to :

   (A) IDE   (B) SCSI

   (C) CD ROM Standard   (D) Floppy Drive Technology

2. IRQ 1 is commonly assigned to :

   (A) System timer   (B) It is usually open

   (C) Real time clock   (D) Keyboard

3. What type of connector is used to plug a telephone line into a modem ?

   (A) RJ-11   (B) COM1   (C) RJ-45   (D) RJ-25

4. Which computer manufacturer quotes "Enabling today..Inspiring tomorrow.." ?

   (A) INTEL   (B) AMD   (C) MERCURY   (D) MICROSOFT

5. Which of the following input device would be best suited to capture images for use with a personal computer ?

   (A) Optical mark reader   (B) Touch screen

   (C) Digital camera   (D) Graphical tablet

6. What is the control unit's function in the CPU ?

   (A) To store program instruction   (B) To transfer data to primary storage

   (C) To decode program instruction (D) To perform logic operation

7. IPV6 address is _____ bit more than that of IPV4.

   (A) 96 bit   (B) 128 bit   (C) 32 bit   (D) 64 bit

8. Which of the following memory needs periodic refresh ?

   (A) SRAM   (B) DRAM   (C) ROM   (D) All of the above

A

3

26. A 25 pin female connector on the back of a computer will typically be :

(A) Serial Port 1 (B) VGA port (C) Parallel port (D) USB

27. Which of the following is not a type of computer hard drive ?

(A) SATA (B) SCSI (C) FDD (D) ID

28. Who built the first Mechanical Calculator ?

(A) Howard Aiken (B) John Mauchly (C) Charles Babbage (D) Blaise Pascal

29. To view any currently running Terminate Stay Resident (TSR) programs, we type :

(A) Memory (B) MEM (C) SYS/M (D) MEMSHOW

30. The four functions of a CPU are :

(A) Fetch, Decode, Execute, Write back (B) Seek, Analyze, Execute, Burn

(C) Fetch, Copy, Execute, Decode (D) Seek, Decode, Burn, Copy

31. Which of the following device is attached with a ribbon cable ?

(A) CPU (B) RAM

(C) CD-ROM DRIVE (D) SOUND CARD

32. _____ stores the picture information as a charge distribution behind the phosphor coated screen.

(A) Cathode Ray Tube (B) Direct-View Storage Tube

(C) Flat Panel Displays (D) 3D Viewing Device

33. Which among the following connectors is used mostly for external hard drives ?

(A) PATA (B) HDMI (C) PS/2 (D) eSATA

34. Which of the following CPU features a Quick Path Interconnect interface ?

(A) Intel Pentium 4 (B) AMD Athlon (C) Intel Core i7 (D) Intel Celeron

35. Which of the following is a valid package size of DDR3 DIMMs ?

(A) 168 pin   (B) 172 pin   (C) 184 pin   (D) 240 pin

36. Which Motherboard form factor uses one 20 pin connector ?

(A) ATX   (B) AT   (C) BABY AT   (D) None of the above

37. In Inkjet technology the droplets of ink are deflected by :

(A) Multi directional nozzles   (B) Electronically charged plates

(C) High pressure plates   (D) Electrostatic absorption

38. When CD-ROM was prepared and made ?

(A) 1977   (B) 1980   (C) 1981   (D) 1985

39. In First Generation computers, what was used for calculation ?

(A) Transistors   (B) Integrated circuits

(C) Vacuum tubes   (D) VSLI chips

40. An example of an operating system used in smart phones is _____.

(A) Unix   (B) Windows XP   (C) Novell   (D) Symbian

41. In laser printer technology, what happens during the conditioning stage ?

(A) A uniform negative charge is placed on the photosensitive drum.

(B) The corona wire places a uniform positive charge on the paper.

(C) A uniform negative charge is placed on the toner.

(D) None of the above.

42. Which of the following is not a type of Motherboard expansion slot ?

(A) ATX   (B) ISA   (C) PCI   (D) AGP

43. What is the purpose of digital scanner ?

(A) To detect computer viruses   (B) To output images or pages of text

(C) To input images or pages of text   (D) To listen to digital radio signals

44. Routers operate in which layer of the OSI reference model ?

   (A) Physical layer   (B) Network layer   (C) Data link layer   (D) Transport layer

45. Which of the following memory has the shortest access time ?

   (A) Virtual memory   (B) Cache memory

   (C) External memory   (D) Register

46. ASCII has how many codes ?

   (A) 254   (B) 255   (C) 256   (D) 265

47. Electronic storage medium composed of silicon chip is :

   (A) RAM   (B) CD-ROM   (C) Hard Disk   (D) Floppy Disk

48. The device used in a data communication network to perform conversion between analogue and digital signal is called _____.

   (A) Front end processor   (B) Modem

   (C) Decoder   (D) Multiplexer

49. Which of the following connection can replace all of the mini-audio jacks on a system unit ?

   (A) Fire Wire   (B) HDMI   (C) S/PDIF   (D) VESA

50. Which of the following ports would you most likely find built into a Motherboard ?

   (A) DVI port   (B) Keyboard port (C) HDMI port   (D) RDA port

51. What is the name of the virtual memory file in Windows 2000/XP ?

   (A) SWAP.SYS   (B) SYSTEM.INI   (C) CACHE.VM   (D) PAGEFILE.SYS

52. You can find 16-bit ISA slots on which of these buses ?

   (A) AT bus   (B) BT bus   (C) PC bus   (D) XT bus

53. What type of power connector does a hard drive typically use ?

    (A) Molex   (B) Mini   (C) Sub-mini   (D) Micro

54. When a key is pressed on keyboard, which standard is used for converting the keystroke into the corresponding bits ?

    (A) ISO   (B) ANSI   (C) EBCDIC   (D) ASCII

55. Which term describes the flow of a static electrical charge from a person to the inside of the PC ?

    (A) EMI   (B) ESD   (C) HDMI   (D) TTFN

56. BIOS stands for _____.

    (A) Bootstrap Initial Operating System   (B) Basic Input Output Start-up

    (C) Basic Initial Open Standard   (D) Basic Input Output System

57. What is an internal network designed to provide and disseminate information to internal staff by using the look and feel of the World Wide Web ?

    (A) Internet   (B) Intranet

    (C) Extranet   (D) Local area network

58. The bus between CPU and memory is called :

    (A) Address bus   (B) Data bus   (C) System bus   (D) I/O bus

59. How many sticks of RAM do you need to fill slot in a computer that can use 168-pin DIMMs ?

    (A) One   (B) Two   (C) Four   (D) Eight

60. What is the correct boot sequence for a PC ?

    (A) CPU, POST, Power Good, Boot Loader, OS

    (B) POST, Power Good, CPU, Boot Loader, OS

    (C) Power Good, Boot Loader, CPU, POST, OS

    (D) Power Good, CPU, POST, Boot Loader, OS

61. You can receive an "Invalid media" error when trying to access a hard drive. What is the most likely cause of the error ?

   (A) The drive has not been partitioned   (B) The drive has been not formatted

   (C) The drive has been not set to active   (D) The drive has died

62. What is the minimum capacity of a DVD ?

   (A) 7.34 GB   (B) 4.37 GB   (C) 3.47 GB   (D) 650 MB

63. AutoPlay reads which of the following file when an optical disc is inserted ?

   (A) AUTORUN.INF   (B) AUTOPLAY.INF

   (C) AUTORUN.INI   (D) AUTORUN.EXE

64. Which is the command used to make TEST.TXT file read-only ?

   (A) ATTRIB TEST.TXT – R   (B) ATTRIB TEST.TXT + R

   (C) READONLY TEST.TXT   (D) TEST.TXT/READONLY

65. Which chip does the CPU uses to communicate with high-speed devices such as video cards of RAM ?

   (A) Scan code   (B) CMOS   (C) South bridge   (D) North bridge

66. Why SDRAM is faster than regular DRAM ?

   (A) It has few pins, resulting in fewer corrupt bits

   (B) It uses dual channel architecture

   (C) It makes two processes per clock cycle

   (D) It runs synchronously with the system clock

67. What normally happens when you press the F1 key when a program is running ?

   (A) The program closes

   (B) The System Shut down

   (C) The help facility of the program is opened

   (D) You can do BIOS settings

68. ISO-9960 is related with the _____.

 (A) Standard for encoding data on CD-ROM

 (B) Standard for printer

 (C) Standard for information processing

 (D) Standard for networking

69. Of the following, what do USB and FireWire connections have in common ?

 (A) Both are used for connecting keyboards

 (B) Both support dual monitors

 (C) Both support hot-swapping devices

 (D) Both use D sub miniature connectors

70. What is true about a double-sided DIMM ?

 (A) It has memory chips on the front and back

 (B) It can be installed forward or backward

 (C) It is twice as fast as single sided DIMM

 (D) It has half the capacity of a quad sided DIMM

71. Which type of protocol is used by interface for Public Data Network ?

 (A) X.12   (B) X.15   (C) X.20   (D) X.25

72. A 1xx POST error code indicates problem with the :

 (A) RAM   (B) Motherboard   (C) HDD   (D) Video

73. Silicon lubricant is used with which of the following ?

 (A) Read/Write head   (B) Keyboard

 (C) Mouse   (D) Rollers in printer

74. The normal size of a Hard drive sector is _____.

 (A) 512 kB   (B) 512 Bytes   (C) 640 kB   (D) 640 Bytes

75. The Master Boot Record (MBR) is located at the _____ of a hard disk.

   (A) Track 0 Sector 0 (B) Track 1 Sector 1 (C) Track 0 Sector 1 (D) Track 1 Sector 0

76. Which of the following is the last processor designed by Intel which uses slot type socket ?

   (A) Celeron   (B) Core 2 Duo   (C) Pentium III   (D) 80486

77. Which service is used to translate domain name to IP address ?

   (A) NFS   (B) TCP   (C) NIS   (D) DNS

78. What command is used in vi editor in Linux operating sytem to move back to the beginning of a word ?

   (A) w   (B) e   (C) b   (D) a

79. Which of the following is not an output device ?

   (A) Plotter   (B) Scanner   (C) Printer   (D) Monitor

80. Which of the following processors was the first dual-core designed by AMD ?

   (A) Sempron   (B) Duron   (C) Athlon 64 X2   (D) Phenom II X2

81. Who raised patriotism to the pedestal of mother worship and said, 'I know my country as my mother, I adore her, I worship her' ?

   (A) Swami Vivekananda   (B) Aurobindo Ghosh

   (C) B.G. Tilak   (D) B.C. Chatterjee

82. The Kanpur Conference, which is regarded as the formal foundation of the communist party in India in 1925, was held under the Presidency of :

   (A) Acharya Narendra Dev   (B) S.A. Dange

   (C) M.N. Roy   (D) Singarvelu Chettiar

83. Which day is observed as 'Malala Day' by the UNO ?

   (A) July 12   (B) June 12   (C) June 21   (D) August 21

84. The southern most river in India :
   (A) Neyyar
   (B) Kallada
   (C) Karamana
   (D) Vamanapuram river

85. The city Srinagar is situated near :
   (A) Satlaj
   (B) Jhelum
   (C) Beas
   (D) Ravi

86. Who was known as 'Kerala Lincoln' ?
   (A) Dr. Sukumar Azneekode
   (B) Sree Narayana Guru
   (C) Pandit Karuppan
   (D) Dr. Palpu

87. Which of the following was the Chief organiser of the Revolt of 1857 in Bihar ?
   (A) Amar Singh
   (B) Bahadurshah II
   (C) Kunwar Singh
   (D) Begum Hasrat Mahal

88. The Imperial Bank of India, after nationalisation, was given the name of :
   (A) Reserve Bank of India
   (B) Bank of India
   (C) Indian Bank
   (D) State Bank of India

89. In which state in India was Panchayati Raj first introduced ?
   (A) UP
   (B) Rajasthan
   (C) Madhya Pradesh
   (D) Andra Pradesh

90. The First Muslim President of the Indian National Congress was :
   (A) Badruddin Tyabji
   (B) Abul Kalam Azad
   (C) Hakkim Ajmal Khan
   (D) Hasrat Mohani

91. Who started Siddhasamajam in Vatakara ?
   (A) Dr. Velukutti Arayan
   (B) Swami Sivananda Paramahamsa
   (C) Vagvatanandan
   (D) Alathoor Sivanandayogi

92. Who wrote the book "Swathanthra Samudayam" ?
   (A) E.M.S. Namboodirippadu
   (B) Sree Narayana Guru
   (C) E. Madhavan
   (D) Ayyankali

93. Which of the following river flows westward ?

(A) Cauvery   (B) Krishna   (C) Narmada   (D) Mahanadi

94. Which place is known as the Capital of Indian Coal ?

(A) Ranchi   (B) Danbad   (C) Jamshedpur   (D) Culcutta

95. Which amendment of Indian Constitution guarantee free and compulsory education to children up to 14 years ?

(A) 85   (B) 84   (C) 87   (D) 86

96. Name the first Indian language which got classical status ?

(A) Tamil   (B) Hindi   (C) Malayalam   (D) Bengali

97. A Public Service Commission was established in India for the first time by :

(A) The Indian Council Act of 1892

(B) The Act of 1909

(C) The Government of India Act, 1919

(D) The Government of India Act, 1935

98. Rajiv Gandhi International Airport is situated in :

(A) Hyderabad   (B) Bangalore   (C) New Delhi   (D) Kanpur

99. Who was the Editor of the journal 'Mitavadi' ?

(A) Dr. Palppu   (B) Kesavan Asan

(C) C. Krishnan   (D) Vakkam Abdul Khader Moulavi

100. Who founded 'Samathwa Samajam' ?

(A) Pattamthanupillai   (B) Mannath Padmanabhan

(C) V.T. Bhattathirippadu   (D) Vaikunda Swamikal

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