

**NATIONAL COMPUTERS OLYMPIAD-2015**

Class: VIII

Time: 60 Minutes

Model Paper-1

Total Marks: 60

Total No. of Questions = 60 (Each Question Carries-1Mark)

I. Choose the Correct Answer among the given Options and write it in the given Answer Sheet**1. How many pins does a SIMM have?**

- A. 50 B. 64 C. 30 or 72 D. 168 []

2. The various cards in a PC requires _____ voltage to function.

- A. AC B. DC C. CA D. CD []

3. What type of hard disk formatting creates FAT (File Allocation Table. ?

- A. High Level B. Low Level C. Medina level D. None of these []

4. What is the name of the printed circuit board?

- A. Ram B. Mother Board C. Key board D. None of these []

5. Which Component of pc maintains data and time

- A. CMOS RAM B. Vram C. ROM D. RAM []

6. IRQ 1 is commonly assigned to:

- A. it's usually open B. system timer C. real time clock D. keyboard []

7. LCD monitor is also known as _____

- A. TFT B. CRT C. both (a) and (b) D. None of these []

8. How can you tell that a particular ribbon cable should only be used to connect a floppy drive?

- A. it B. it has a red line along one edge
C. it D. it has a twist in it []

9. Data stored in a ROM cannot be changed by user of a computer?

- A. True B. False C. both (a) and (b) D. None of these []

10. Is the data in a RAM stored on a permanent or temporary basis

- A. Temporary B. Permanent C. both (a) and (b) D. None of these []

11. Winchester drive is also called:

- A. Hard Disk Drive B. Floppy Disk Drive C. both (a) and (b) D. None of these []

12. TO write, erase, rewrite data on a CD RAM what type of CD ROM you should use?

- A. CD-RW B. CD R C. Both (a) and (b) D. None of these []

13. A byte is equivalent to...?

- A. 8 bits B. 10 bits C. both (a) and (b) D. None of these []

14. SMPS stands for:

- A. Switch Mode Power Supply B. Simple Mode Power Supply
C. Both (a) and (b) D. None of these []

15. Which of the following is NOT a type of motherboard expansion slot? []
 A. ISA B. PCI C. AGP D. ATX
16. Which IRQ does LPT1 commonly use? []
 A. 1 B. 4 C. 5 D. 7
17. How much data will a high density (HD.floppy) disk hold? []
 A. 124 KB B. 640 KB C. 1.44 MB D. 2.88MB
18. What is the name of the spec for the holes in a monitor's aperture grill? []
 A. dot pitch B. space holes C. both (a) and (b) D. None of these
19. Which is the best hard disk seek time? []
 A. 3ms B. 5ms C. Both (a) and (b) D. None of these
20. Fragmentation of data on computer hard disk causes it to work faster than before? []
 A. False B. True C. Both (a) and (b) D. None of these
21. What is the name of the card that controls read,write head and motor in the hard disk []
 A. Network Card B. Disc Controller Card C. both (a) and (b) D. None of these
22. Which of the following retains the information it's storing when the power to the system is turned off? []
 A. CPU B. ROM C. DRAM D. DIMM
23. Acronym of HDD? []
 A. Hard Disk Drive B. Hard Drive Disk C. Both (a) and (b) D. None of these
24. A program written using binary codes is called: []
 A. Software language B. Machine language C. Both (a) and (b) D. None of these
25. How many bytes a sector of hard disk holds? []
 A. 512 Bytes B. 1024 Bytes C. Both (a) and (b) D. None of these
26. To be bootable a DOS partition must be: []
 A. active B. copied C. Both (a) and (b) D. None of these
27. What does FDISK do? []
 A. performs low-level formatting of the hard drive
 B. fixes bad sectors on the hard drive
 C. recovers lost clusters on the hard drive
 D. creates partitions on the hard drive
28. What kind of connectors are used to connect a PC power supply to a hard drive? []
 A. AT B. molex C. mini-molex D. P9
29. Acronym of FDD? []
 A. Floppy Drive Disk B. Floppy Disk Drive C. Both (a) and (b) D. None of these
30. Which of the following is NOT a type of computer hard drive? []
 A. IDE B. FDD C. SCSI D. EIDE
31. What type of memory is a PEN drive...? []
 A. FLASH Memory B. Cache Memory C. Both (a) and (b) D. None of these

- 32. What type of connector is used to plug a telephone line into a modem?** []
 A. COM1 B. RJ-11 C. RJ-45 D. RJ-10
- 33. What is BIOS an acronym for?** []
 A. bootstrap initial operating system B. basic input output startup
 C. boot initial operating startup D. basic input output system
- 34. What does the acronym bits stand for?** []
 A. Binart Digit B. 1 bits C. Both (a) and (b) D. None of these
- 35. What is the data transfer rate for USB 2.0?** []
 A. 480Mbs B. 512Mbs C. Both (a) and (b) D. None of these
- 36. Which IRQ does the system timer commonly use?** []
 A. 0 B. 1 C. 2 D. 5
- 37. What piece of hardware do EIDE cables connect to?** []
 A. hard disk B. cpu C. Both (a) and (b) D. None of these
- 38. How many pins does a DIMM have?** []
 A. 72 B. 32 C. 32 to 72 D. 71
- 39. Which IRQ does COM1 commonly use?** []
 A. 3 B. 4 C. 6 D. 7
- 40. Which frequency is a SDRAM clock speed?** []
 A. 122Mhz B. 133Mhz C. Both (a) and (b) D. None of these
- 41. Which component in a pc maintains color depth and screen resolution of a monitor?** []
 A. VRAM B. CMOS RAM C. Both (a) and (b) D. None of these
- 42. Today's PC use what type of RAM..?** []
 A. DDR SDRAM B. DDR2 C. Both (a) and (b) D. None of these
- 43. When plugging the P8 and P9 power connectors into the system board, Which of the following is true?** []
 A. the black wires of both connectors should NOT be next to each other
 B. P8 and P9 don't plug into the system board
 C. the black wires of both connectors should be next to each other
 D. it doesn't matter which way you plug them in, the voltages are the same
- 44. Which IRQ does the hard disk controller commonly use?** []
 A. 14 B. 1 C. 2 D. 11
- 45. IRQ 6 is commonly assigned to:** []
 A. sound card B. Com1 C. floppy drive controller D. LPT1
- 46. Which of the following is NOT a type of RAM?** []
 A. SIMM B. DIMM C. ROM D. SLIPP
- 47. Which do you use to comment out a line in the autoexec.bat file?** []
 A. rem B. ram C. Both (a) and (b) D. None of these
- 48. Which device you should use to prevent the effect of power fluctuation in the power supply on your computer and works for a specific period of time even there is no power?** []
 A. SMPS B. UPS C. Both (a) and (b) D. None of these

- 49. Portable Pen Drive connects to the _____ port of computer** []
 A. USP2,0 B. USP C. Both (a) and (b) D. None of these
- 50. What does the term "wave table synthesis" relate to?** []
 A. video B. sound C. Both (a) and (b) D. None of these
- 51. What is different between AT and ATX power supplies?** []
 A. They are identical except for their shape.
 B. AT supplies use a single P1 power connector while ATX uses P8 and P9.
 C. AT supplies use P8 and P9 power connectors while ATX uses a single P1 connector.
 D. AT power supplies run on 120V AC current while ATX uses 220V AC
- 52. Which has more storage capacity CD or DVD** []
 A. DVD B. CD C. Both (a) and (b) D. None of these
- 53. With reference to a CPU, What MIPS means?** []
 A. Million Instructions Per Second B. Million Per Second Instruction
 C. Both (a) and (b) D. None of these
- 54. Hard Disk, DVD, CD-ROM are the examples What type of Memory?** []
 A. Primary B. Secondary C. Both (a) and (b) D. None of these
- 55. Which of the following conditions most increases the likelihood that ESD will occur?** []
 A. hot, dry conditions B. cool, damp conditions
 C. cool, dry conditions D. hot, damp conditions
- 56. Parity is:** []
 A. a byte stored in the FAT to indicated remaining slots
 B. the optimal transmission speed of data over a CAT 5 cable
 C. an extra bit stored with data in RAM that is used to check for errors when the data is read back
 D. the optimal transmission speed of data over a CAT 5 cable
- 57. What are the four key functions of a computer system?** []
 A. input, processing, output, and storage B. keyboard, display, memory, and disk drive
 C. word processing, spreadsheets, database D. bits, bytes, words, and OSI
- 58. UPS stands for:** []
 A. Universal Power Supply B. Uninterrupted Power Supply
 C. Both (a) and (b) D. None of these
- 59. Which is a PCI bus speed?** []
 A. 22MHz B. 33Mhz C. Both (a) and (b) D. None of these
- 60. Which is the best choice for a specification for a video card?** []
 A. AGP B. SCSI C. Both (a) and (b) D. None of these

Answer key

1. C 2. B 3. A 4. B 5. A 6. D 7. A 8. D 9. A 10. A 11. A 12. A 13. A 14. A 15. D 16. D 17. C 18. A 19. B 20. A 21. B 22. B 23. A 24. B 25. A 26. A 27. D 28. B 29. B 30. B 31. A 32. B 33. D 34. A 35. A 36. A 37. A 38. A 39. B 40. B 41. A 42. A 43. C 44. A 45. C 46. C 47. A 48. B 49. B 50. B 51. C 52. A 53. A 54. B 55. C 56. C 57. A 58. B 59. B 60. A