

11. Which of the following octal numbers is equivalent to the binary number 111110110010_2 ? (2017)
- 1) 7552_8
 - 2) 2667_8
 - 3) 2557_8
 - 4) 7662_8
12. The hexadecimal equivalent of 11101011000111010_2 is: (2017)
- 1) $DD63A_{16}$
 - 2) $1D63A_{16}$
 - 3) $1D33A_{16}$
 - 4) $1D631_{16}$
13. Consider the following statements. (2017)
- A - $2B_{16}$ is equivalent to 53_8
 B - 43_{10} is equivalent to 101011_2
 C - 101011_2 is equivalent to 53_8
- Which of the above statements are true?
- 1) A and B only
 - 2) A and C only
 - 3) B and C only
 - 4) All A, B and C
14. In which form is data and instructions stored in a computer? (2018)
- 1) binary
 - 2) decimal
 - 3) hexadecimal
 - 4) octal
15. Which of the following is the octal equivalent of decimal 156_{10} ? (2018)
- 1) 121_8
 - 2) 234_8
 - 3) 574_8
 - 4) 770_8
16. Which of the following is the binary equivalent of hexadecimal $2B_{16}$? (2018)
- 1) 00101011_2
 - 2) 01001001_2
 - 3) 10010100_2
 - 4) 10110011_2
17. Which of the following lists 10011001_2 , 113_8 , 160_{10} and $1A_{16}$ in the ascending order? (2018)
- 1) 10011001_2 , 113_8 , 160_{10} , $1A_{16}$
 - 2) 160_{10} , $1A_{16}$, 10011001_2 , 113_8
 - 3) 160_{10} , $1A_{16}$, 113_8 , 10011001_2
 - 4) $1A_{16}$, 113_8 , 10011001_2 , 160_{10}
18. In which of the following number systems, is the number '800' a valid number? (2018)
- 1) decimal only
 - 2) decimal and hexadecimal only
 - 3) decimal and octal only
 - 4) octal only
19. Which of the following statements are true? (2019)
- A - Binary form is used to store data and instructions in computers.
 B - 945 is a valid number both in the octal and hexadecimal number systems.
 C - 412_8 is equivalent to 100001010_2 .
- 1) A only
 - 2) B only
 - 3) A and C only
 - 4) all A, B and C
20. Which of the following shows the given storage components in descending order of access speed? (2019)
- 1) cache memory, main memory, register, hard disk
 - 2) hard disk, cache memory, register, main memory
 - 3) register, cache memory, main memory, hard disk
 - 4) register, main memory, hard disk, cache memory
21. If character 'E' is represented in the ASCII table as 69_{10} , what is the binary representation of character 'G' in the ASCII table? (2019)
- 1) 1000110
 - 2) 1000111
 - 3) 1001000
 - 4) 1001001

22. Which of the following represents the units of measurements of data in computer systems in the ascending order of their size? (2020)
- 1) Bit, Byte, Kilobyte, Terabyte
 - 2) Byte, Bit, Kilobyte, Terabyte
 - 3) Megabyte, Kilobyte, Bit, Byte
 - 4) Terabyte, Gigabyte, Megabyte, Kilobyte
23. Which of the following shows the storage devices of a desktop computer in descending order of storage capacity? (2020)
- 1) Register, Cache memory, Hard disk
 - 2) Hard disk, RAM, Register
 - 3) RAM, Register, Cache memory
 - 4) RAM, Cache memory, Hard disk
24. Which of the following represents the given four numbers in ascending order? (2020)
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| 1) 64_{16} , 226_8 , 200_{10} , 101011_2 | 3) 101011_2 , 64_{16} , 200_{10} , 226_8 |
| 2) 101011_2 , 64_{16} , 226_8 , 200_{10} | 4) 200_{10} , 226_8 , 101011_2 , 64_{16} |



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