



Mizpah Christian School - <https://www.mizpahchristianschool.org>

Topic :Practice Questions

DIRECTIONS:

Circle the letter that corresponds to the one (1) best answer for each of the questions below.

Question 1: All functions of a computer are based upon the use and manipulation of numbers.

Which number system is most native to a computer?

- A. binary
- B. decimal
- C. hexadecimal
- D. octal

Question 2: What is the decimal conversion of the binary number 11011001?

- A. 221
- B. 193
- C. 217

D. 192

Question 3: What is the hexadecimal conversion of the decimal number 224?

A. F0

B. E0

C. 92

D. 9E

Question 4: What is the decimal conversion of the hexadecimal number 7F?

A. 115

B. 134

C. 201

D. 127

Question 5: What is the binary conversion of the hexadecimal number CB?

A. 10111001

B. 11100001

C. 11000100

D. 11001011

Question 6: Which binary number represents the decimal number 133?

A. 10001011

B. 11000001

C. 10000111

D. 10000101

Question 7: What is the hexadecimal equivalent of the decimal number 241?

A. E7

B. D3

C. F1

D. A9

Question 8: What is the decimal value of the binary number 11111111?

A. 0

B. 64

C. 192

D. 255

Question 9: What is the definition of a bit?

A. the section of a network that is bounded by bridges, routers, or switches

B. a binary digit used in the binary number system, either 0 or 1

C. the interface on an internetworking device, such as a router

D. the network areas within which data packets that have collided are propagated

Question 10: Which of the following phrases best describes the decimal numbering system?

A. It is also called the Base 100 Number System.

B. It is based on powers of 1.

C. It uses the 10 symbols 0 - 9.

D. It is the same as the ASCII numbering system.

Question 11: Which numbering system is based on powers of 2?

A. octal

B. hexadecimal

C. binary

D. ASCII

Question 12: What is the decimal number 151 in binary?

A. 10010111

B. 10010110

C. 10101011

D. 10010011

Question 13: What is the binary number 11011010 in decimal?

A. 218

B. 202

C. 222

D. 186

Question 14: Convert the decimal number 43 to Hex.

A. 2B

B. 1F

C. EF

D. 1A

Question 15: Hexadecimal is used to represent what kind of addresses?

A. IP

B. Octal

C. MAC

D. Digital

Question 16: What is 16 raised to the first power (16¹)?

A. decimal 1

B. decimal 16

C. hex FF

D. hex 16

Question 17: Convert the decimal number 2989 to Hex.

- A. FDD1
- B. BAD
- C. ED
- D. CAD

Question 18: What is the decimal value of the hex number ABE?

- A. 2750
- B. 5027
- C. 2570
- D. 7250

Question 19: What is the hex value of the binary number 11100010?

- A. D2
- B. E2
- C. Gr
- D. H20

Question 20: Which numbering system is based on powers of 10?

- A. octal
- B. hexadecimal
- C. binary
- D. decimal

END