

Q1: The decimal equivalent of 1011.1000 is?

- A. 11.5
- B. 1165
- C. 11.7
- D. 31.5

Correct answer: A. 11.5

Q2: The decimal equivalent of 1111.1000 is?

- A. 1555
- B. 1575
- C. 75.5
- D. 15.5

Correct answer: D. 15.5

Q3: What is the hexadecimal representation of 11010011 (in binary)?

- A. d3
- B. dE
- C. 23
- D. 93

Correct answer: A. d3

Q4: Write the mantissa (in Hexadecimal) for the decimal number: 5.73566459
0874326

- A. E78a90
- B. 378a90
- C. 378a20
- D. 378a40

Correct answer: B. 378a90

Q5: Write the mantissa (in Hexadecimal) for the decimal number: 3.04767663
41879937

- A. A30d22
- B. 435d22
- C. 430A22
- D. 430d22

Correct answer: D. 430d22

Q6: Convert the given Gray code (01000000)GRAY into BCD format

- A. 000100100011
- B. 000100101111
- C. 000110100111
- D. 000100100111

Correct answer: D. 000100100111

Q7: The decimal equivalent of 1010.0101 is?

- A. 1033125
- B. 10.3125
- C. 10.4125
- D. 10.3105

Correct answer: B. 10.3125

Q8: What is the decimal representation of 15 (in octal)?

- A. 13
- B. 15
- C. 19
- D. 17

Correct answer: A. 13

Q9: What is the binary representation of 194 (in decimal)?

- A. 11010010
- B. 11001010
- C. 11000010
- D. 01000010

Correct answer: C. 11000010

Q10: Write the mantissa (in Hexadecimal) for the decimal number: 4.21542752
29564035

- A. 634c8
- B. 6e4c8
- C. 6e478
- D. 6e4c9

Correct answer: B. 6e4c8

Q11: Write the mantissa (in Hexadecimal) for the decimal number: 3.6406995198652883

- A. 640139
- B. 690139
- C. B90139
- D. 690E39

Correct answer: B. 690139

Q12: Write the mantissa (in Hexadecimal) for the decimal number: 8.254118757997986

- A. 510df
- B. 410Ef
- C. 4106f
- D. 410df

Correct answer: D. 410df

Q13: The decimal equivalent of 1101.1001 is?

- A. 13.5635
- B. 13.5625
- C. 1305625
- D. 1345625

Correct answer: B. 13.5625

Q14: The decimal equivalent of 0100.1011 is?

- A. 4.3875
- B. 4.6875
- C. 456875
- D. 4.6865

Correct answer: B. 4.6875

Q15: What is the binary representation of 65 (in decimal)?

- A. 1000001
- B. 0000001
- C. 1010001
- D. 1100001

Correct answer: A. 1000001

Q16: What is the binary representation of 245 (in decimal)?

- A. 11110100
- B. 11110101
- C. 11010101
- D. 11110111

Correct answer: B. 11110101

Q17: What is the octal representation of 24 (in decimal)?

- A. 30
- B. 37
- C. 33
- D. 10

Correct answer: A. 30

Q18: What is the octal representation of 100001 (in binary)?

- A. 43
- B. 44
- C. 41
- D. 01

Correct answer: C. 41

Q19: Write the mantissa (in Hexadecimal) for the decimal number: 4.89124496
0707956

- A. 8c8514
- B. 1D8514
- C. 1c8534
- D. 1c8514

Correct answer: D. 1c8514