

RCT –2
DIGITAL ELECTRONICS

Date.....April, 2015

Time.....30 Min.

Each Question.....1 Mark

(No Negative Marking)

Q1. The binary number 11011101 is equal to the decimal number

- (a) 121 (b) 221
(c) 441 (d) 256

Q2. The decimal number + 122 is expressed in the 2's complement form as

- (a) 01111010 (b) 11111010
(c) 01000101 (d) 10000101

Q3. The decimal number – 34 is expressed in the 2's complement form as

- (a) 01011110 (b) 10100010
(c) 11011110 (d) 01011101

Q4. In the 2's complement form, the binary number 10010011 is equal to the decimal number

- (a) - 19 (b) + 109
(c) + 91 (d) – 109

Q5. The binary number 101100111001010100001 can be written in octal as

- (a) 54712308 (b) 54712418
(c) 26345218 (d) 231625018

Q6. The binary number 10001101010001101111 can be written in hexadecimal as

- (a) AD467₁₆ (b) 8C46F₁₆
(c) 8D46F₁₆ (d) AE46F₁₆

Q7. The binary number for F7A9₁₆ is

- (a) 1111011110101001
(b) 1110111110101001
(c) 1111111010110001
(d) 1111011010101001

Q8. The BCD number for decimal 473 is

- (a) 111011010
(b) 110001110011
(c) 010001110011
(d) 010011110011

ENGINEERS CAREER POINT

PANCHKULA: SCO-211, TOP FLOOR, SECTOR 14, PKL 9815411737, 0172-4061483
PATIALA : SCB- 7 TOP FLOOR, CHOTTI BARADARI, 9855273076

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Answer Key

1	B	2	A	3	B
4	D	5	B	6	C
7	A	8	C		

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