

Answer:

(i) 1110001000

OCTAL:

001	110	001	000
1	6	1	0

(1610)₈

HEXADECIMAL:

0011	1000	1000
3	8	8

(288)₁₆

(ii) 110110101

OCTAL:

110	110	101
6	6	5

(665)₈

HEXADECIMAL:

0001	1011	0101
1	B	5

(1B5)₁₆

(iii) 1010100

OCTAL:

001	010	100
1	2	2

(124)₈

HEXADECIMAL:

0101	0100
5	4

(54)₁₆

(iv) 1010.1001

OCTAL:

001	010	.	100	100
1	2		4	4

(12.44)₈

HEXADECIMAL:

1010	.	1001
A		9

(A.9)₁₆