QUESTION 04 (a)

Digits Used

0, ∧, (,), :

Here

0 = 1

∧ = 1

(= 2

) = 3

: = 4

00∧0 = 5

00∧∧ = 6

00∧(= 7

00∧) = 8

00∧: = 9

00(0 = 10

00(∧ = 11

00((= 12

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Sec: B ; BS(CS)

DLD-ASSIGNMENT (Challenge)

QUESTION NO.04 (b)

a)

Digits used:

0, ^, (,), :

Here;

0 → 0

^ → 1

(→ 2

) → 3

: → 4

b)

Name: B I L A L ⇒ 2+9+12+1+12 = 36

Name Sum: 36 = 0^(^

PROOF:

Since the base is 5

5	36 → 1
5	7 → 2
	1 → 1

0^(^ = $5^3(0)+5^2(1)+5^1(2)+5^0(1)$

= 0+25+10+1

0121

0^(^ = 36

Hence proved