



(or)

- (b) Write the steps in fetching a word from memory. 13 CO3 Und  
Differentiate between branch instructions and call subroutine instruction.
8. (a) Formulate binary Multiplication of Positive integer Numbers 14 CO2 App  
with Register Configuration diagram.  
Multiplicand (M=13) : 1101 &  
Multiplier (Q=11) : 1011

(or)

- (b) Evaluate the arithmetic statement  $X = (A + B) * (C + D)$  using 14 CO3 App  
a general register computer with three address, two address  
and one address instruction format a program to evaluate the  
expression.

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**(Note: Und-Understand Rem-Remember Ana-Analyze App-Apply Cre- Create)**

Prepared by

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HoD