***NOBLE ONYEBUCHI OFFOR***

***19/ENG03/019***

***CIVIL ENGINEERING***

***N0 188***

***MAT 102***

**Question**

If A =  3i+4J-6K, B = 5i-11J+2K, C = 7i-7J+K. Find

(1) A.C+B.C

(2) (A-B) **.**C

(3) A **.** (BXC)

**ANSWERS**

1. 21i + 28j – 6k + 35i + 77j + 2k

= 56i + 49j – 4k

1. -2i + 15j – 8k \* 7i – 7j + k

= -14i -105j -8k

1. 3i + 4j – 6k ( 5i – 11j + 2k \* 7i – 7j + k)

3i + 4j – 6k ( 35i + 77j + 2k )

= 105i + 308j – 12k