QUES 03:-

Velocity of three particles A, B and C varies with time t as, $\vec{v}_A = (2t\hat{i} + 6\hat{j})$ m/s; $\vec{v}_B = (3\hat{i} + 4\hat{j})$ m/s and $\vec{v}_c = (6\hat{i} - 4t\hat{j})$ m/s. Regarding the pseudo force match the following table

Column I

- (A) On A as observed by B
- On B as observed by C
- On A as observed by C
- (D) On C as observed by A

Column II

- Along positive x-direction
- (Q) Along negative x-direction
- (R) Along positive y-direction
- (S) Along negative y-direction
- (T) Zero

Concert of Pseudo Fosca

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golution
$$\Rightarrow$$
 [A] $a_{A} = \frac{d(v_{A})}{dt} = 2\hat{x}$

To find force on A when seen from B.

Prevdo force (on A obs. from B) = mA (-aB)

[do other Port simi long?

Answers:> A -> T