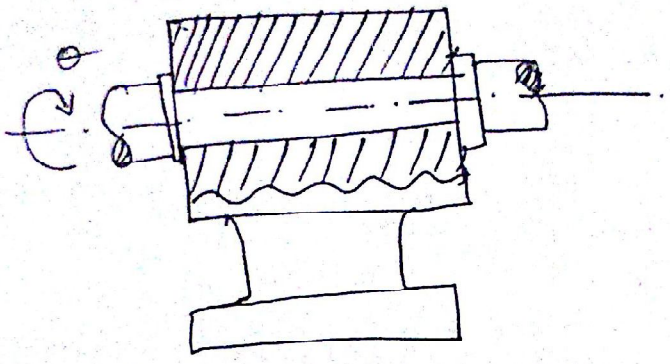
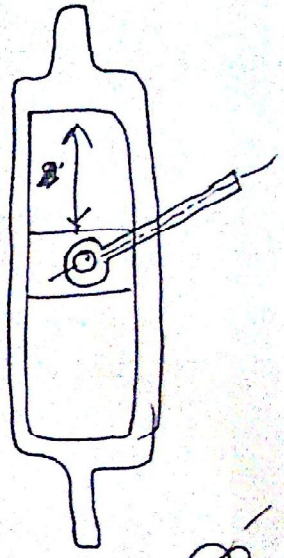
(8). From the following figures, which ~~one~~ one does have the sliding pair?

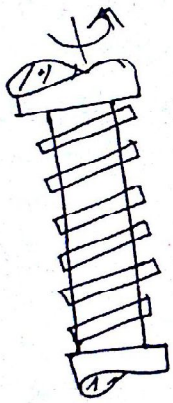
a).



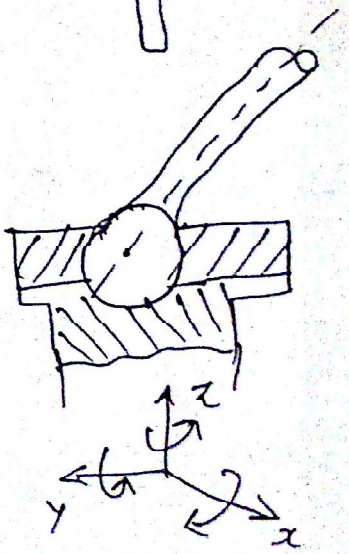
b)



c).



d).

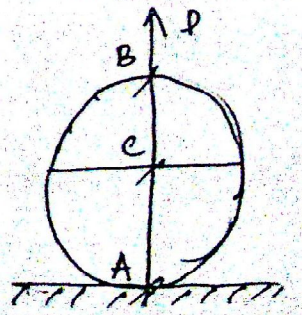


Ans:-

(b).

(9) The instantaneous Centre of motion of the disc wheel rolling on plane surface is,

(a) A (b) B (c) C (d) D

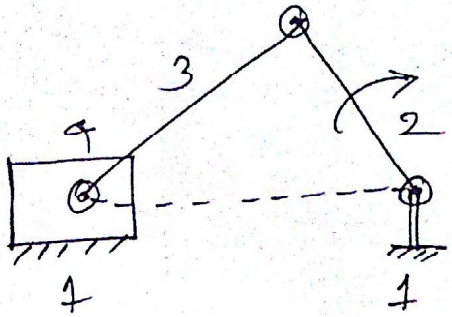


Ans:

(a) A

(10). The figure shows a slider crank mechanism in which link 1 is fixed. The number of instantaneous centers would be.

a) 4 b) 5 c) 6 d) 12.

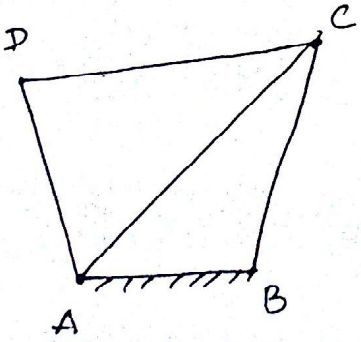


Ans:

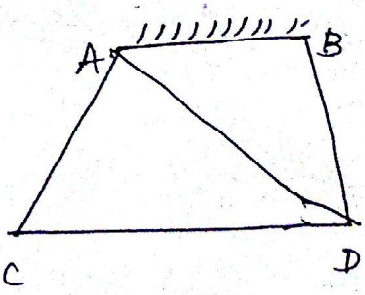
(c) 6. $\left[N = \frac{n(n-1)}{2} = \frac{4(4-1)}{2} = 6 \right]$.

(11). Find the correct four bar mechanism from the following figures.

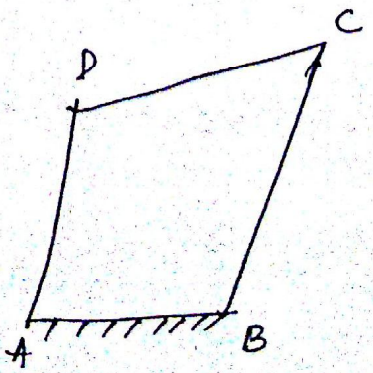
a)



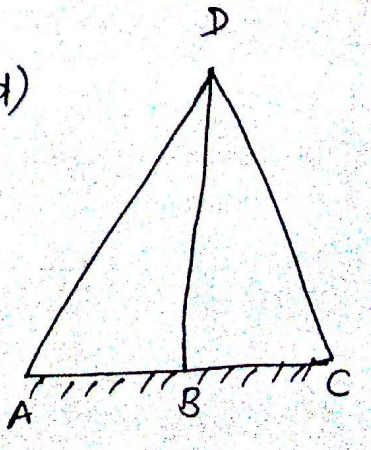
b)



c).



d)



Ans:-

(a)