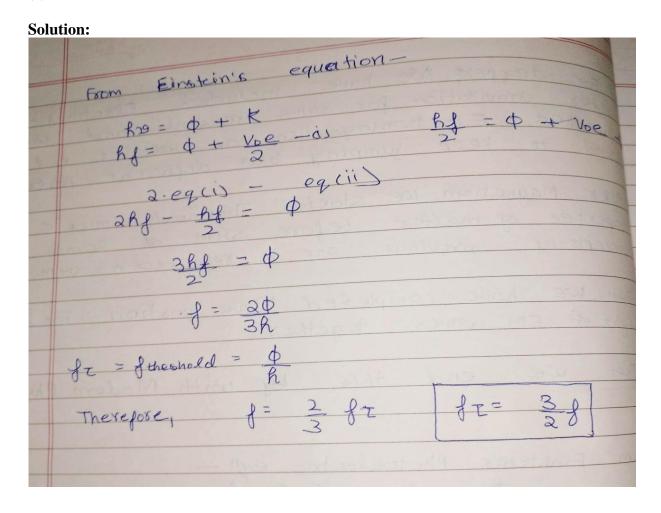
Q2: When a certain photosensitive surface is illuminated with monochromatic light of frequency f, the stopping potential for the photocurrent is $(-V_0/2)$. When the surface is illuminated by monochromatic light of frequency f/2, the stopping potential is $-V_0$. The threshold frequency for photoelectric emission is

- (a) 4f/3
- (b) 2f
- (c) 5f/3
- (d) 3f/2



Ans: option D