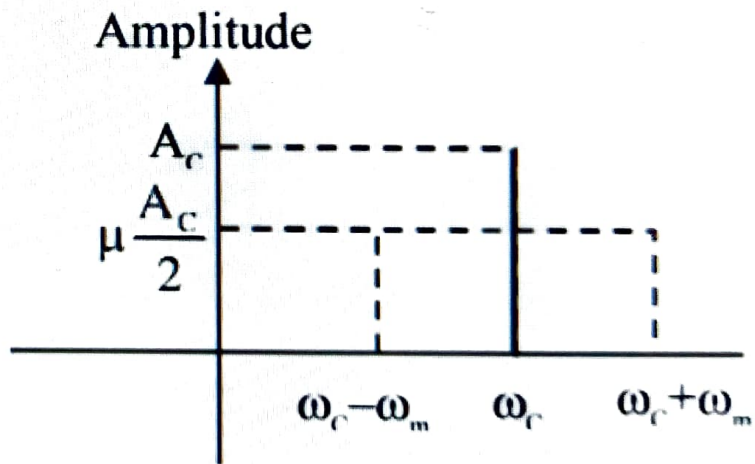


The amplitude of upper and lower side bands of A.M. wave where a carrier signal with frequency 11.21 MHz, peak voltage 15 V is amplitude modulated by a 7.7 kHz sine wave of 5V amplitude are  $\frac{a}{10} V$  and  $\frac{b}{10} V$  respectively. Then the value of  $\frac{a}{b}$  is \_\_\_\_\_.



$$\frac{a}{10} = \frac{b}{10} = \frac{\mu A_c}{2}$$

$$\Rightarrow \frac{a}{b} = 1$$