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A sine wave has a frequency of 50 Hz. Its angular frequency is _____ radian/second. (a) 100 n (b) 50 jt (c) 25 JT (d) 5 n

Ans: a. 2. The reactance offered by a capacitor to alternating current of frequency 50 Hz is 20 Q. If frequency is increased

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to 100 Hz, reactance becomes _____ ohms. (a) 2.5 (b) 5

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