

# Assignment

## 11.15-23

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### QUESTION

Q23) A narrow sound pulse (for example, a short pip by a whistle) is sent across a medium.

(a) Does the pulse have a definite (i) frequency, (ii) wavelength, (iii) speed of propagation?

(b) If the pulse rate is 1 after every 20 s, (that is the whistle is blown for a split of second after every 20 s), Is the frequency of note produced by whistle equal to  $1/20$  or 0.05 Hz ?