



Q-1 A pendulum oscillates 40 in 4 sec.
∴ the time period = $\frac{40}{4} = 10$
∴ the time period = 1 oscillation
in 0.1 seconds
Frequency = $\frac{40}{4} = 10$ Hertz

R W
10/15
15

Q-2 A group of stars that make a recognizable pattern in the sky is known as a constellation. There are two common constellations :-
(a) Ursa Major. (b) Orion.

Q-3 The speed of the light is more than the speed of sound so the lightning is seen earlier than the sound of thunder.

Q-4 Unwanted sound that is unpleasant to ear is called noise. Pleasant sound which is pleasant to ear is called music.

(b) Examples of noise pollution are :-

- (i) Television and Transistors running on high volumes.
- (ii) Horns of cars, Buses and trucks etc.
- (iii) Cracker, desert cooler, etc.