Q.14 Name the form of energy which a wound up watch spring possess

Ans A wound up watch spring has the potential energy because of its wound up state. As the spring unwinds itself, the potential energy

changes chances into the kinetic energy. This kinetic energy does work in moving the arms of the watch.

Q15 Can a body possess energy even when it is not in motion? Explain your answer with an example.

Ans Yes, a body possesses energy even when it is not in motion;
Consider a body raised to a certain height say h. If its velocity is zero, Kinetic energy will be zero but the body will have. Thus, a body may possess energy even though it is not in motion.

Q16 Name the type of energy :- (Kinetic or potential)
(i) A moving cricket ball - Kinetic energy
(ii) A stone at rest on the top of a building - Potential energy
(iii) A compressed spring - Potential energy
(iv) A moving bus - Kinetic energy
(v) A bullet fired from a gun - Kinetic energy
(vi) Water flowing in a river - Kinetic energy.
(vii) A stretched rubber band - Potential energy.

Q17 Give one example to show the conversion of potential energy to kinetic energy when put in use.