





Q16. **Directions:**

(5)

**The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer.**

**(a) Both A and R are true and R is the correct explanation of A.**

**(b) Both A and R are true but R is not the correct explanation of A.**

**(c) A is true but R is false.**

**(d) A is false but R is true.**

**(e) Both A and R are false.**

**A. Assertion-** the normal temperature of human body is 25 degree celcius.

**Reason-** the reason is because room temperature is 37 degree celcius.

**B. Assertion-** A respiratory pigment called haemoglobin transports oxygen from lungs to various body cells.

**Reason-** Haemoglobin combines with oxygen to form oxyhaemoglobin.

**C. Assertion-** The stomach is protected against hydrochloric acid.

**Reason-** The digestive juices protect the lining of the stomach.

**D. Assertion -** Heat from the Sun reaches Earth mainly by conduction through air particles.

**Reason -** Radiation is the mode of heat transfer that requires any medium to travel.

**E. Assertion-** When the light from a source falls on a mirror it gets reflected.

**Reason-** On being reflected there is no change in the direction of light.