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Ans-5 Sodium vapour lamp, electric discharge lamp using ionized sodium, used for street lighting and other illumination. A low pressure sodium vapour (LPS) lamp contains an inner discharge tube made of borosilicate glass that is fitted with metal electrodes and filled with neon and argon gas and a little metallic sodium.

Working of Sodium vapour lamp

The HPS lamp consist of a narrow arc tube supported by a frame in a bulb. The arc tube has a high pressure inside for higher efficiency. The arc then heats up the mercury and the mercury vapour then lights, giving the lamps a bluish colour, the lamp heats and the sodium is the last material to vaporize.