OBJECTIVE TYPE QUESTIONS ☹

1. Which of the following is the most efficient as a light source ?
   (A) tungsten filament (B) black body
   (C) carbon filament
2. Which one of the following lamps is commonly used in cinema projector ?
   (A) carbon filament lamp (B) neon lamp
   (C) tungsten filament lamp (D) carbon arc lamp
3. Which one of the following gases has higher efficiency (lumens/watt) ?
   (A) mercury vapour (B) neon
   (C) sodium vapour.
4. The gas inside the inner discharge tube of a sodium vapour lamp is
   (A) argon (B) neon
   (C) helium (D) hydrogen
5. The sodium vapour lamp operates at best efficiency at
   (A) 300°C (B) 200°C
   (C) 400°C (D) 450°C
6. A choke is generally used in series with the tube in a fluorescent lamp circuit to
   (A) limit current to a proper value (B) prevent flickering
   (C) suppress radio interference.

6. In the fluorescent tube circuit one function of the choke is to
   (A) improve *p.f.* of the circuit (B) prevent lamp flicker
   (C) provide a momentary high voltage for establishing the main are
   (D) prevent unnecessary heating.

8. When the sodium vapour discharge lamp is first switched on, its colour appearance is
   (A) yellow (B) red
   (C) white (D) green
9. In fluorescent lamps, the ultraviolet radiations and converted to visible spectrum by using fluorescent ma
   (A) True (B) False.
10. In a house, for which job, the illumination level shall be higher
    (A) for reading (B) for tailoring
    (C) for cooking
11. In the power house, the illumination level is of the order of
    (A) 30 — 40 lumens/m^2 (B) 100 — 150 lumens/m^2
    (C) 200 — 300 lumens/m^2 (D) 300 — 350 lumens/m^2
12. In parking places, the illumination is nearly
    (A) 12 lumens/m^2 (B) 40 lumens/m^2
    (C) 80 lumens/m^2 (D) 100 lumens/m^2
13. The unit of luminous flux is
    (A) lumen (B) candle power
    (C) lux (D) metre candle