



**SCORE Qcard-1**

**Topic Relevance: SSC JE, KSEB Sub-Engineer**

***Approx Lumens in a 7W LED lamp***

**A. 100 lumens**

**B. 300 lumens**

**C. 600 lumens**

**D. 900 lumens**

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**SCORE Qcard-2**

**Topic Relevance: SSC JE, KSEB Sub- Engineer**

***Carbon arc lamps are commonly used in***

**A. Domestic lighting**

**B. Cinema Projectors**

**C. Street lighting**

**D. Microscope**

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*Luminous intensity observed from an ideal diffusely reflecting surface is directly proportional to the cosine of the angle between the direction of the incident light and the surface normal*

A. Lambert's emission law

B. Planck's emission law

C. Bunsen's law of illumination

D. Inverse square law

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**SCORE Qcard-4**

**Topic Relevance: SSC JE, KSEB Sub-Engineer**

***One Lumen per square meter is***

**A. one candela**

**B. one lux**

**C. one solar constant**

**D. one watt**



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**SCORE Qcard-5**

**Topic Relevance: SSC JE, KSEB Sub-Engineer**

***The color temperature of day light is in the range***

**A. 1000K**

**B. 3000K**

**C. 6000K**

**D. 2500K**

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**SCORE Qcard-6**

**Topic Relevance: SSC JE, KSEB Sub-Engineer**

***Candela is the unit of***

**A. Luminous intensity**

**B. Luminous efficacy**

**C. Light flux**

**D. Radiant flux**

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**SCORE Qcard-7**

**Topic Relevance: SSC JE, KSEB Sub-Engineer**

**Lamp with highest power factor**

**A. GLS lamp**

**B. Mercury arc lamp**

**C. Fluoroscopic lamp**

**D. Sodium vapour lamp**

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**SCORE Qcard-8**

**Topic Relevance: SSC JE, KSEB Sub-Engineer**

*Capacitor used in AT circuit of a sodium vapour lamp serves which purpose*

**A. Controls illumination level**

**B. Protection against surge**

**C. Regulation of discharge voltage**

**D. Improvement of power factor**

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**SCORE Qcard-9**

**Topic Relevance: SSC JE, KSEB Sub-Engineer**

# **Lumen is**

1. Luminous flux emitted in a unit solid angle by a source of one candle power
2. Is the measure of rate of energy radiation from a source
3. Lumen = candle power x solid angle
4. 1 lumen is 0.0016 watts

- A. 1,2,4 are True**  
**B. 2,3,4 are True**  
**C. 1,3,4 are True**  
**D. All are True**

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**SCORE Qcard-10**

**Topic Relevance: SSC JE, KSEB Sub-Engineer**

*Initial light emitted by a sodium vapour lamp is of \_\_\_\_\_ color*

**A. Yellow**

**B. Red/Pink**

**C. Blue/Green**

**D. Orange**

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SCORE Qcard-11

Topic Relevance: SSC JE, KSEB Sub-Engineer

## Germicidal lamps are

1. Lamps which produce UV light

2. Tubes are made of borosilicate glass

3. Wavelength of 253.7 nm

4. Tubes are coated with phosphor

- A. 1 & 3 are True
- B. 1 & 4 are True
- C. 2 & 3 are True
- D. All are True



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