Physics MCQs for NET, IAS, State-SET (KSET, WBSET, MPSET, etc.), GATE, CUET, Olympiads etc. Part 12

Question:

The distance between a point source of light and a screen is doublet. The intensity of light on the screen will be

A. Four times the original value
B. Half of the original value
C. Two times the original value
D. One quarter the original value.

Question:

From the following which one is used for studying ultra violet light?

A. Prism of crown glass
B. Prism of flint glass
C. Prism of quartz
D. Prism with combination & flint and crown glass

Question:

Electromagnetic waves are

A. Longitudinal waves
B. Transverse waves
C. Neither longitudinal nor transverse
D. Stationary waves

Question:

If there are no atmosphere the average temperature on the surface of the earth would be

A. Lower
B. Higher
C. Same as now
D. 0_0C

Question:

Displacement current was first produced by

A. Ampere

B. Henry

C. Maxwell

D. Base

Question:

Pick out the odd one which has extremely short wave length much shorter than that of visible light and can be emitted from the nucleus of an atom.

A. UV radiation

B. β radiation

C. γ radiation

D. Infrared radiation

Question:

The TV transmission tower in Delhi has a height of $240m$. The distance up to when the broadcast can be received [taking radius of earth to be $6.4 \times 10^6 m$]

A. $100\ km$

B. $60\ km$

C. $55\ km$

D. $50\ km$

Question:

All the members of electromagnetic spectrum have same

A. Frequency

B. Velocity

C. Wave length

D. Wave number

Question:

Infrared spectrum lies between

A. Radio and micro wave region

B. Visible and UV region

C. Micro wave and visible region

D. UV and X-ray region

Question:

Choose the waves relevant to telecommunications.

A. Ultra violet

B. Visible

C. Infra-red

D. Micro waves