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

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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°C

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