

1. Optical active crystals rotates the
- [A.](#) vibrating plane
  - [B.](#) polarization plane
  - [C.](#) diffraction plane
  - [D.](#) interference plane

**Answer:** Option B

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2. Which is not optically active?
- [A.](#) sugar
  - [B.](#) tartaric acid
  - [C.](#) water
  - [D.](#) sodium chlorate

**Answer:** Option C

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3. In double slit experiment we observe
- [A.](#) interference fringes only
  - [B.](#) diffraction fringes only
  - [C.](#) both interference and diffraction fringes
  - [D.](#) polarized fringes

**Answer:** Option C

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4. When light incident normally on thin film the path difference depends upon
- [A.](#) thickness of the film only
  - [B.](#) nature of the film only
  - [C.](#) angle of incidence only
  - [D.](#) all thickness nature and angle of incidence

**Answer:** Option D

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5. Which one of the following properties of light does not change with the nature of the medium?
- [A.](#) velocity
  - [B.](#) wavelength
  - [C.](#) amplitude
  - [D.](#) frequency

**Answer:** Option D

