

- 29** Monochromatic light of wavelength $5.30 \times 10^{-7} \text{ m}$ is incident normally on a diffraction grating. The first order maximum is observed at an angle of 15.4° to the direction of the incident light.

What is the angle between the first and second order diffraction maxima?

- A** 7.6° **B** 15.4° **C** 16.7° **D** 32.0°

- 30** Two conducting layers of a liquid crystal display of a calculator are $8.0 \text{ }\mu\text{m}$ apart. A 1.5 V cell is