

125 final practice key:

A. Strong reflection by water surface

A. Mirror reflected light are polarized

E. Interference are visible only when the obstacle has a size comparable to wavelength

None. Actually I messed up the question. If red light illuminated on this color, only RED will be reflected, which doesn't pass through a blue filter.

1. (a) Moving about 35/100 up and turn toward green for 50/100 and then back toward blue 15/100, you end up at some color as some bright (light) yellow.

(b) Saturation around 20~30

2. a pair of polarizer will do the trick. Longitudinal wave will pass any (combination of) polarizer. However, a pair of polarizer whose orientation are perpendicular to each other will cut off the transverse wave.