# INFORMATION REGARDING THE TENNESSEE BOARD OF DISPENSING OPTICIANS EYEGLASSES PRACTICAL EXAMINATION

**Examination References**


- Brooks, C.W. Essentials for Ophthalmic Lens Finishing. Butterworth-Heinemann, 2003.
- Brooks, C.W., and Borish, I.M. System for Ophthalmic Dispensing. Butterworth-Heinemann, 2007.
- Z-80.1-2010 American. American National Standard for Ophthalmics – Prescription Ophthalmic Lenses Requirements. New York: American National Standards Institute, 2005.
- Optical Laboratories Association, Progressive Identifier. 2009
- Stein, Slatt, Stein. The Ophthalmic Assistant, Mosby.


The EYEGLASSES PRACTICAL EXAMINATION is designed to test your ability to perform certain practical tasks related to the practice of opticianry.
This two-hour, sixty-five question test may include but not be limited to the following topics:

**From a pair of mounted progressive addition lenses:**
neutralize the distance portion of the lenses;
determine the add power;
measure the base curve;
quote and apply ANSI Z80.1-2005 standards;
identify the manufacturer's product name using the hidden identifying logo;
identify the manufacturer's recommended minimum height;
measure prism reference point height;
measure fitting cross height;
measure prism thinning;
analyze the lenses for unwanted vertical prism;
measure monocular P.D.

**From a pair of mounted bifocal lenses:**
neutralize the distance portion of the lenses;
determine the add power;
measure the distance between prism reference points;
measure the base curve;
measure the distance between optical centers;
measure the prism reference point height;
measure the "near P.D."
determine the frame "B" measurement;
measure the seg height;
identify the seg width;
analyze the lenses for unwanted vertical prism;
measure the lens center thickness.

**From two pairs of mounted single vision lenses:**
neutralize the distance portion of the lenses;
measure the distance between optical centers;
measure the lens center thickness;
analyze the lenses for possible vertical prism;
measure the base curve.

**Given a spectacle frame and Rx for progressive lenses:**
determine the monocular decentration;
determine the fitting cross drop/raise;
determine the prism reference height.

**Given a spectacle frame and Rx for visible bifocals:**

determine the distance decentration per lens;
determine the seg inset per lens;
determine the total inset per lens;
determine the seg drop/raise per lens;
determine the best minimum blank size.

**Using the provided material/information:**

calculate the distance compensated power using a vertex distance compensation chart;
calculate specialty lens power (TV, Reading, Computer, Piano, Intermediate, etc.);
calculate vertical imbalance ;
determine bicentric grinding placement;
split prism for best cosmetic effect;
transpose a prescription;
calculate the “power” of the cylinder in an oblique meridian.