MISSOURI WESTERN STATE UNIVERSITY
BASIC MICROSCOPE USE PERFORMANCE ASSESSMENT

Name: ___________________________ Date: ________________

Students will be evaluated by completing each of the following steps correctly and in a timely manner.

____1. Obtain a microscope from the cabinet and take it to the bench top.
   a. One hand must be on the arm of the microscope
   b. One hand supporting the base of the microscope

____2. Perform an inspection of the microscope.
   a. Carefully and completely unwind the electrical cord.
   b. Check for any obvious loose or missing parts.
   c. Position the stage at the lowest setting.
   d. Place the lowest objective in down position.
   e. Move the condenser up close to the stage.
   f. Open the iris diaphragm.
   g. Make sure lens paper and lens cleaner are available.

____3. Plug microscope into an electrical outlet.

____4. Correctly place a prepared slide on the microscope stage.
   a. The slide must be free of dust and fingerprints.
   b. The coverslip must be in the up position.

____5. Turn on the light source.

____6. Focus on the evaluator designated specimen using the lowest objective and adjust light source appropriately. (May be timed.)
   (Evaluator will check for focus of specimen.)

____7. Move to the next highest objective.
   a. Must turn revolving nosepiece correctly.

____8. Focus on the evaluator designated specimen using the specified objective and adjust light source appropriately. (May be timed.)
   (Evaluator will check for focus of specimen.)

____9. Place microscope back into starting position, appropriate for storage. (Perform in this order.)
   a. Turn off light source.
   b. Move lowest objective into the down position.
   c. Move stage to the lowest position.
   d. Remove slide correctly.
   e. Carefully clean ocular lens with lens paper.
   f. Carefully wrap up cord

____10. Carry microscope back to cabinet and place it in correct slot with oculars facing the back of the cabinet
   a. One hand must be on the arm of the microscope
   b. One hand supporting the base of the microscope