week 11 Assessment

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1) Which one of these is not an optical microscopy technique?
   - Scanning electron microscopy
   - Inverted microscopy
   - Metallurgical microscopy
   - Stereo Microscopy
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Scanning electron microscopy

2) Total magnification offered by an optical microscope can be obtained by
   - Multiplying magnifying power of the eyepiece by x2
   - Multiplying magnifying power of the objective lens by x2
   - Multiplying magnifying power of the eyepiece and objective lens
   - Multiplying magnifying power of the condenser lens and objective lens
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Multiplying magnifying power of the eyepiece and objective lens

3) How can resolving power of a microscope be determined?
   - Wavelength of light
   - Numerical aperture of the lens
   - Wavelength and numerical aperture of the lens
   Either A or B
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Width and numerical aperture of the lens

4) If you’re given cell culture petri dishes which among the below is an optimal choice for studying cell culture dishes?
   - Inverted Microscope
   - Compound Microscope
   - Stereo Microscope
   - Caudal Microscope
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Caudal Microscope

5) Identify the number of bacteria levels defined (each level with distinct presumptive measures for each level) to isolate bacteria, virus etc in an enclosed laboratory
   - 3
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: 3

6) Why electron microscope can provide greater resolving power than optical microscope?
   - Wavelength of electron is much smaller than visible light
   - Wavelength of electron is much greater than visible light
   - More electrical power is involved in electron microscope
   - Diffraction of light effects resolving power
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Wavelength of electron is much smaller than visible light

7) Specimen imaged under a scanning electron microscope should contain no water
   - True
   - False
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: True

8) Live cell imaging is to be performed by you. Which microscopy technique do you think is optimal?
   - Electron Microscope
   - Optical Microscope
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Optical Microscope

9) Ability to resolve two neighbouring points in a field as distinct entities is called
   - Resolution
   - Magnification
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Resolution

10) Part of the microscope responsible for gathering objective rays from microscope light source and illuminating specimen with a small cone of bright light
    - Objective lens
    - Condenser lens
    - Object lens
    - Projecting lens
    No, the answer is incorrect.
    Score: 0
    Accepted Answers: Condenser lens