

Cell biology and Molecular biology

MCQ

1. Which part of the compound microscope helps in gathering and focusing light rays on the specimen to be viewed?
a. Eyepiece lens b. Objective lens c. Condenser lens d. Magnifying lens
2. In fluorescence microscopy, which of the following performs the function of removing all light except the blue light?
a. Exciter filter b. Barrier filter c. Dichroic mirror d. Mercury arc lamp
3. A compound microscope with single eyepiece is termed as
a. Monocular b. binocular c. Triocular d. None of these
4. The ratio of the image size to the object size is called as
a. Magnification b. Reduction c. Diffraction d. Refraction
5. Which among the following microscopes uses light as the source of illumination?
a. Phase contrast microscope b. SEM c. TEM d. Electron microscope
6. Which of the following microscope is best studied for observing live specimens without staining?
a. Compound microscope b. Phase contrast microscope c. SEM d. TEM
7. Which of the following microscope is best suited for studying ultrastructure of cells?
a. Compound microscope b. Phase contrast microscope c. SEM d. TEM
8. Which of the following microscope is best suited for studying surface details of the microbes?
a. SEM b. TEM c. Bright field microscope d. Dark field microscope
9. Which of the following microscope has the maximum magnification and resolution?
a. Bright field microscope b. Dark field microscope c. TEM d. SEM
10. In which of the following microscope consist electromagnetic lenses?
a. Bright field microscope b. Dark field microscope c. Phase contrast microscope d. SEM