CLS 212 Medical microbiology quiz (1)

True(T) or false (F):3.5

1. The eye piece (ocular) in light microscope provides magnification range from x4 to x100 ( f )
2. The function of iris diaphragm is to collect the light in a cone shape from the light source to the object ( f )
3. Coarse adjustment knob moves the stage up and down rapidly to get approximate focusing ( T )
4. Fungi called saprophytes because they obtain their nutrients from dead organic material ( T )
5. Viruses can multiply in or outside the living cell ( F )
6. bacteria that infected viruses are called: bacteriophage ( F )
7. cyst of protozoa is the active stage inside the body ( F )

Fill in the blanks:3

1. The loops are made up of special material called……Nichrome………..
2. Saline is………0.9 Nacl in 100 ml H2O , 0.9% Nacl……………………………………………
3. There are two types of slides used in the lab……plain…and…………froasted end
4. the most common way for cultivation of viruses is……tissue cell culturing
5. one of the  conditions to grow fungi is…any of 4
6. …………Taenia………… is an example of cestode helminthes

Answer following questions:

1. Calculate the total magnification of the microscope when the power is on x10 ?1

10x10=100

1. State the usage of each following microscope:1.5

* Dark field microscope

motility

* Inverted microscope

to see the effect of virus on the cells (cell culture flasks).

* Fluorescent microscope

Immunology

1. Explain what cytopathiceffect means?1

is morphological changes in the cell caused by viruses when they multiply inside the cell.

Bonus question

**Define the following**

**Resolution:** The ability to distinguish between two points at short distances from each other.

* Working distance: The distance between the objective and the object when the object is in focus.