**Questions of Soil microbiology/practical**

Q1/Write the names of microorganisms found in the soil?

Q2/What is the differences between gram positive and gram negative bacteria?

Q3/Write the methods for distinguished between gram positive bacteria and gram negative bacteria?

Q4/ How these materials are sterilizing:

1.loop. 2.media. 3.oil

Q5/…………………organisms are widespread in aquatic environments.

Q6/ The methods for counting microorganism in different sources……………and ………………

Q7/ The coliform bacteria in water causes disease such as cholera by……………..and typhoid fever by…………

Q8/ Name the test which is using those media EMB agar…………………….and Macconcy broth………………….

Q9/ A group of microbes according to temperature………………, ………………..,and……………

Q10/ Write the similarities between actinomycetes and bacteria?

Q11/ A. How appear of growth bacteria in broth media?

Q12/ What means coliform bacteria? How detected in contamination water?

Q13/ Calculate the number of bacteria from the culture media that have 200 colonies and diluted 1000 ?

Q14/ Complete the following:
Q15/SDA for growth of…………….
Q16/ Starch casein agar for…………………
Q17/ Soil extract agar for……………….

Q18/How can prepare media for growth of bacteria?

Q19/How can measure the PH in soil samples?

Q20/What is mean the mixed culture?

Q21/What is the different between actinomycetes and bacteria?

Q22/How can distinguish between fungi and bacteria?

Q23/Are fungi eukaryotic or prokaryotic ? explain?

Q24/Why nitrogen fixation occur in soil?

Q25/Write the shapes of bacteria according to the growth on media?

Q25/What is the selective media for algal growth?

Q26/What is the different between algae and fungi?

Q27/Which of the structure of microorganism see by microscope in 100x?

Q28/What is the different between compound microscope and electron microscope?

Q29/Write the magnification power of microscope?

Q30/What means of smear?