**MIC 460 Medical Bacteriology Final Exam**

**Name: Number:**

**A-The following are some of the Gram positive bacteria that you studied in this course:**

*1-Staphylococcus aureus 2-Staphylococcus epidermidis*

*3-Streptococcus pyogenes 4-Streptococcus pneumoniae*

*5-Bacillus cereus 6-Bacillus anthracis*

*7-Clostridium botulinum 8-Clostridium tetani*

*9-Clostridium perfringens 10-Corynebacterium diphtheria*

*11-Erysipelothrix rhusiopathiae 12-Listeria monocytogenes*

*13-Mycobacterium tuberculosis 14-Mycobacterium leprae*

**Chose the number or numbers that match the following description**

( ) Coagulase positive

( ) Infects the nerve endings

( , , , ) Cause food poisoning

( , ) Have mycolic acids

( ) Infects the wet hand meat handlers

( ) Lacefield Group A

( , ) They are part of the triple immunization

( , ) have hyaluronidase as a virulence factor

( ) Can be identified by Quelling Reaction

( ) Sensitive to Bacitracin which can be used for its identification

( ) Glomerulonephritis is one of its complications

( ) Has Haemolysins O and S

( ) Can cause abortion to animals

( ) Cause Wool-Sorters Disease

( ) May cause Gas Gangrene

( , , ) Human infections usually start as spores

**B- The following are some of the Gram negative bacteria that you studied in this course:**

*1-Treponema pallidum*

*2-Borrelia recurrents*

*3-Helicobacter pylori*

*4-Neisseria meningitides*

*5-Neisseria gonorrhoeae*

*6-Haemophilus influenza*

*7-Bordetella pertussis*

*8-Burkholderia mallei*

*9-Pseudomonas aeruginosa*

*10-Vibrio cholera*

*11-Escherichia coli*

*12-Salmonella enteritidis*

*13-Shigella dysenteriae*

*14-Klebsiella*

*15-Brucella abortus*

*16-Francisella tularensis*

*17-Pasteurella multocida*

*18-Yersinia pestis*

*19-Mycoplasma*

*20-Chlamydia*

*21-Rickettsia*

**Chose the number or numbers that match the following description**

( ) Does not have a cell wall

( ) It is part of the triple immunization

( ) Causes syphilis

( ) Causes Opthalmia neonatum

( ) It has pyocyanin

( ) It causes Shipping fever and cat bite fever

( ) It is an obligate intracellular bacteria, does not have peptidoglycan,

 and has two morphological forms: elementary body and reticulate

 body.

( ) It causes Lymphogranuloma Venerum

( ) It can be detected by The Venerial Disease Research Laboratory

 Test

( ) It causes Stomach Ulcer

( ) Gram negative cocci cause a venereal disease

( ) It has an enterotoxin that leads to the accumulation of 3, 5 cyclic

 AMP in the intestine

( , ) cause an ulceration of the Peyers Patches

( ) Causes Fulminating Meningococcemia

( ) Requires X and V factors for growth

( ) Causes Glanders

( ) Can be transferred from rabbits to humans

( ) Transmitted by lice and has one relapse (Relapsing fever)

( ) The disease progression includes Catarrhal and Paroxysmal stages

( ) It has four biotypes, one of them is Al TOR

( ) Part of the normal flora but it can cause diarrhea

( ) Causes Malta fever

( ) Can infect the kidneys by two ways

( ) Causes the Bubonic and Pneumonic Plague

( ) Ozaenae is one of its species

( ) The neuraminidase creates an attachment site for its enterotoxin

( ) Causes the Whooping cough