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MCB 2004
GENERAL MICROBIOLOGY
SAMPLE TEST #3-1
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IN THIS SECTION OF THE EXAM THERE ARE FORTY-FIVE QUESTIONS WORTH TWO POINTS EACH. THERE IS ONLY ONE CORRECT ANSWER FOR EACH QUESTION. PLEASE CIRCLE THE CORRECT LETTER OR PLACE THE CORRECT LETTER JUST TO THE LEFT OF THE QUESTION NUMBER. THEN TRANSFER ALL YOUR ANSWERS TO THE ANSWER SHEET AT THE END OF THE TEST PACKET.

1. THE THREE "PYOGENIC COCCI" ARE THE
 - A. STAPHYLOCOCCI, PSEUDOMONAS, SALMONELLA
 - B. STAPHYLOCOCCI, STREPTOCOCCI, NEISSERIA
 - C. NEISSERIA, PSEUDOMONAS, PROTEUS
 - D. ESCHERICHIA, PROTEUS, SALMONELLA
 - E. STREPTOCOCCI, PSEUDOMONAS, PROTEUS

2. A TOXIN PRODUCED BY STAPHYLOCOCCUS AUREUS CAUSES
 - A. FOOD POISONING
 - B. SCALDED SKIN SYNDROME
 - C. BOTH OF THE ABOVE
 - D. NEITHER OF THE ABOVE

3. THE ORGANISM THAT CAUSES DYSENTERY
 - A. PRODUCES SHIGA TOXIN
 - B. IS ENTEROINVASIVE
 - C. BOTH OF THE ABOVE
 - D. NEITHER OF THE ABOVE

4. PRIMARY ATYPICAL PNEUMONIA IS CAUSED BY
 - A. STREPTOCOCCUS PNEUMONIAE
 - B. STAPHYLOCOCCUS AUREUS
 - C. CHLAMYDIA PSITTACI
 - D. MYCOPLASMA PNEUMONIAE
 - E. INFLUENZA A VIRUS

5. PATHOGENIC STAPHYLOCOCCUS AUREUS ARE
 - A. GRAM NEGATIVE COCCI IN CLUSTERS
 - B. COAGULASE POSITIVE
 - C. BOTH OF THE ABOVE
 - D. NEITHER OF THE ABOVE

6. THE TOXIC PORTION OF ENDOTOXIN IS
 - A. THE O ANTIGEN
 - B. THE CORE POLYSACCHARIDES
 - C. THE ENZYMATIC PORTION
 - D. LIPID A
 - E. THE CELL-BINDING PORTION

7. CAUSES A NEONATAL CONJUNCTIVITIS AND IS THE LEADING CAUSE OF BLINDNESS WORLD-WIDE
- A. NEISSERIA GONORRHOEAE
 - B. NEISSERIA MENINGITIDIS
 - C. CHLAMYDIA PSITTACI
 - D. CHLAMYDIA TRACHOMATIS
 - E. PSEUDOMONAS AERUGINOSA
8. THE TREATMENT FOR NEONATAL OPHTHALMIA IS
- A. MAGNESIUM NITRATE SOLUTION
 - B. ERYTHROMYCIN OINTMENT
 - C. BOTH OF THE ABOVE
 - D. NEITHER OF THE ABOVE

KEY FOR QUESTIONS 9-14. THERE IS ONLY ONE CORRECT ANSWER BUT EACH KEY WORD MAY BE USED MORE THAN ONCE.

- A. EASTERN EQUINE ENCEPHALITIS VIRUS
 - B. RESPIRATORY SYNCYTIAL VIRUS
 - C. HERPES SIMPLEX VIRUS-1
 - D. INFLUENZA A VIRUS
 - E. PAPILLOMA VIRUS
- ____ 9. TRANSMITTED TO MAN BY MOSQUITOES
- ____ 10. CAUSES CONDYLOMA AND ASSOCIATED STRONGLY WITH CERVICAL CARCINOMA
- ____ 11. ANTIGENIC SHIFT CAUSES PANDEMICS EVERY 15 TO 25 YEARS
- ____ 12. HAS HEMAGGLUTININ AND NEURAMINADASE ON ITS SURFACE
- ____ 13. ITS DNA IS FOUND IN THE TRIGEMINAL GANGLIA IN THE LATENT STATE
- ____ 14. A PARAMYXOVIRUS THAT INFECTS NEWBORNS
15. EXOTOXINS
- A. ARE OFTEN BIPARTITE (BINDING AND ENZYMATIC PORTIONS)
 - B. ARE DERIVED FROM THE LPS
 - C. BOTH OF THE ABOVE
 - D. NEITHER OF THE ABOVE
46. COMPARE THE MODE OF ACTION OF PENICILLIN WITH THAT OF TETRACYCLINE.
WHICH OF THESE ANTIBIOTICS IS USED FOR ATYPICAL PNEUMONIA? WHY?