

Документ подписан простой электронной подписью
 Информация о владельце:
 ФИО: Косенок Сергей Михайлович
 Должность: ректор
 Дата подписания: 10.06.2024 11:46:50
 Уникальный программный ключ:
 e3a68f3eaa1e62674b54f4998099d3d6bfdcf836

Diagnostic testing

Discipline:

Microbiology, Virology, 5th term

| | |
|---------------------------|---|
| Code, educational program | 31.05.01 General Medicine |
| Specialty | General Medicine |
| Form of education | Full time |
| Compiler | Department of Morphology and Physiology |
| Graduate Department | Internal Diseases |

| Competence | Tasks | Option options | Question Difficulty Index |
|--------------------|---|---|---------------------------|
| GPC-5.1 GPC 5.5 | 1. Choose one correct option Gram stain is used for studying of: | 1. morphology of bacteria; 2. way to get energy; 3. structure of the cytoplasmic membrane; 4. the presence of a nucleus; 5. composition and structure of the cell wall. | low |
| GPC-5.1 GPC 5.5 | 2. Choose one correct option Pathogenic species of staphylococcus is: | 1. <i>S. aureus</i> ; 2. <i>S. epidermidis</i> ; 3. <i>S. saprophiticus</i> ; 4. <i>S. warneri</i> ; 5. <i>S. sciuri</i> . | low |
| GPC-5.1 GPC 5.5 | 3. Choose one correct option Selective media for <i>Shigella</i> spp. and <i>Salmonella</i> spp. is : | 1. bismuth-sulfite agar; 2. blood agar; 3. SS agar; 4. Salt Egg Yolk Agar. | low |
| GPC-5.1 GPC 5.5 | 4. Choose one correct option Plague is a disease caused by: | 1. <i>Yersinia frederiksenii</i> ; 2. <i>Yersinia kristensenii</i> ; 3. <i>Yersinia pestis</i> ; 4. <i>Yersinia ruckeri</i> ; 5. <i>Yersinia similis</i> . | low |
| GPC-5.1 GPC 5.5 | 5. Choose one correct option Microorganisms that reproduce by spores: | 1. fungi; 2. bacteria; 3. protozoa; 4. seaweed; 5. viruses. | low |
| GPC-5.1 GPC 5.5 | 6. Choose all correct options Bacteria can be divided according | 1. clostridia; 2. bacilli; | mid |

| | | | |
|--------------------|---|---|-----|
| | to shape into: | 3. cocci; 4. rod; 5. spiral. | |
| GPC-5.1 GPC 5.5 | 7. Choose all correct options Delayed-type hypersensitivity reactions involve: | 1. Ig E; 2. macrophages; 3. T-lymphocytes; 4. histamine; 5. lysozyme | mid |
| GPC-5.1 GPC 5.5 | 8. Choose all correct options Specific treatment for clostridial diseases includes: | 1. antitoxic serum; 2. immunoglobulins; 3. antibiotics; 4. monovalent vaccines. | mid |
| GPC-5.1 GPC 5.5 | 9. Choose all correct options The Tuberculosis skin test (Mantoux) is used to: | 1. diagnose active infection 2. measure prevalence of infection in an area. 3. diagnose latent infection 4. select susceptibles for mantoux test vaccination. | mid |
| GPC-5.1 GPC 5.5 | 10. Choose all correct options Features for hepatitis A are: | 1. incubation period is 15-45 days; 2. 1. incubation period is 45-160 days 3. cause chronic hepatitis 4. transmitted by fecal-oral route 5. replicates within hepatocytes | mid |
| GPC-5.1 GPC 5.5 | 11. Choose all correct options Immediate type hypersensitivity involves: | 1. Ig A; 2. Ig E; 3. macrophages; 4. histamine; 5. T- lymphocytes. | mid |
| GPC-5.1 GPC 5.5 | 12. Choose all correct options Antibiotics that interact with the 30S subunit of the ribosome and irreversibly disrupt protein synthesis are: | 1. Aminoglycosides; 2. Tetracyclines; 3. Penicillins; 4. Fluorinolones; 5. Polymyxins. | mid |
| GPC-5.1 GPC 5.5 | 13. Choose all correct options Primary lymphoid organs are: | 1. bone marrow; 2. thymus; 3. Spleen; 4. Lymph nodes; 5. Adrenals. | mid |
| GPC-5.1 GPC 5.5 | 14. Choose all correct options Innate immune system include: | 1. interferons (IFN); 2. natural killers (NK cells); 3. macrophages; 4. complement system. | mid |
| GPC-5.1 GPC 5.5 | 15. Choose all correct options According to the temperature requirement, the bacteria can be: | 1. Psychrophilic; 2. Mesophilic; 3. Microaerophilic 4. Neutralophilic; | mid |

| | | | |
|--------------------|--|--|------|
| | | 5. Psychrotrophs; 6. Acidophilic. | |
| GPC-5.1 GPC 5.5 | 16. Put options in the correct order Basic steps of Gram staining include: | 1. crystal violet 2. iodine 3. Ethanol 4. rinsing with water 5. safranin | high |
| GPC-5.1 GPC 5.5 | 17. Choose all correct options Endotoxins are | 1. non-specific; 2. heat stable; 3. cell wall component; 4. released when the cell is destroyed; 5. released when the cells of spore-forming microorganisms are destroyed. | high |
| GPC-5.1 GPC 5.5 | 18. Complete the sentence The ability of cells/tissues to provoke an immune response is: | | high |
| GPC-5.1 GPC 5.5 | 19. Complete the sentence Substances that are antigenic but not able to elicit an immune response are called: | | high |
| GPC-5.1 GPC 5.5 | 20. Choose the right combination of options Features for hepatitis C are: 1. incubation period is 7-15 days; 2. incubation period is 15-160 days 3. DNA genom 4. RNA genom 5. cause chronic hepatitis >50% cases 6. fecal-oral transmission 7. cause cytopathic effect in hepatocytes 8. damage to the motor neurons of the spinal cord and brain. | 1. 2, 4 2. 2, 4, 5 3. 2, 4, 5, 7 4. 2, 4, 5, 7, 8 | high |