

Документ подписан простой электронной подписью  
 Информация о владельце:  
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## Diagnostic testing

### Discipline:

*Microbiology, Virology, 5<sup>th</sup> 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. <b>Choose one correct option</b> 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. <b>Choose one correct option</b> 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. <b>Choose one correct option</b> 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. <b>Choose one correct option</b> 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. <b>Choose one correct option</b> Microorganisms that reproduce by spores:	1. fungi; 2. bacteria; 3. protozoa; 4. seaweed; 5. viruses.	low
GPC-5.1 GPC 5.5	6. <b>Choose all correct options</b> 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	<b>7. Choose all correct options</b> Delayed-type hypersensitivity reactions involve:	1. Ig E; 2. macrophages; 3. T-lymphocytes; 4. histamine; 5. lysozyme	mid
GPC-5.1 GPC 5.5	<b>8. Choose all correct options</b> Specific treatment for clostridial diseases includes:	1. antitoxic serum; 2. immunoglobulins; 3. antibiotics; 4. monovalent vaccines.	mid
GPC-5.1 GPC 5.5	<b>9. Choose all correct options</b> 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	<b>10. Choose all correct options</b> 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	<b>11. Choose all correct options</b> Immediate type hypersensitivity involves:	1. Ig A; 2. Ig E; 3. macrophages; 4. histamine; 5. T- lymphocytes.	mid
GPC-5.1 GPC 5.5	<b>12. Choose all correct options</b> 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	<b>13. Choose all correct options</b> Primary lymphoid organs are:	1. bone marrow; 2. thymus; 3. Spleen; 4. Lymph nodes; 5. Adrenals.	mid
GPC-5.1 GPC 5.5	<b>14. Choose all correct options</b> Innate immune system include:	1. interferons (IFN); 2. natural killers (NK cells); 3. macrophages; 4. complement system.	mid
GPC-5.1 GPC 5.5	<b>15. Choose all correct options</b> 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	<b>16. Put options in the correct order</b> 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	<b>17. Choose all correct options</b> 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	<b>18. Complete the sentence</b> The ability of cells/tissues to provoke an immune response is:		high
GPC-5.1 GPC 5.5	<b>19. Complete the sentence</b> Substances that are antigenic but not able to elicit an immune response are called:		high
GPC-5.1 GPC 5.5	<b>20. Choose the right combination of options</b> 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