

Документ подписан простой электронной подписью  
 Информация о владельце:  
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**Diagnostic testing**  
**Discipline Hygiene**  
*4<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-2.2 GPC-2.3	1. <b>Choose one correct option</b> The main biological role of fiber is	1. an important structural element of the body 2. activator of the basic metabolism 3. Regulator of the motor function of the intestine 4. the main source of energy for the body 5. the main source of vitamins and micronutrients	low
GPC-2.2 GPC-2.3	2. <b>Choose one correct option</b> What kind of disease develops with insufficient protein nutrition:	1. Beriberi 2. Rickets 3. Rheumatism 4. Kwashiorkor 5. Scurvy	low
GPC-2.2 GPC-2.3	3. <b>Choose one correct option</b> The main sources of water supply in large cities :	1. atmospheric waters 2. surface waters 3. artesian wells 4. ground waters 5. atomic desalination plants	low
GPC-2.2 GPC-2.3	4. <b>Choose one correct option</b> In which months of the year does the UV intensity reach its maximum in Russia:	1. January-February 2. March-April 3. April-May 4. June-July 5. September-October.	low
GPC-2.2 GPC-2.3	5. <b>Choose one correct option</b> The operating room has the following type of ventilation:	1. exhaust with natural motivation	low

		<ol style="list-style-type: none"> <li>2. Supply and exhaust with a predominance of inflow</li> <li>3. supply and exhaust with a predominance of exhaust</li> <li>4. supply and exhaust with equal volumes of inflow and exhaust.</li> </ol>	
GPC-2.2 GPC-2.3	<p><b>6. Choose one correct option</b></p> <p>Foods rich in high-grade protein sources are:</p> <ol style="list-style-type: none"> <li>a) cereals and products of their processing</li> <li>b) meat and meat products</li> <li>c) milk and dairy products</li> <li>d) vegetables and fruits</li> <li>e) fish and fish products</li> </ol>	<ol style="list-style-type: none"> <li>1. a, b, e</li> <li>2. b, c, d</li> <li>3. c, d, e</li> <li>4. a, b, e</li> <li>5. b, c, e</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>7. Choose one correct option</b></p> <p>Optimal distribution of caloric content of food by individual meals with three meals a day (in %) is:</p>	<ol style="list-style-type: none"> <li>1. 30-45-25</li> <li>2. 15-50-35</li> <li>3. 20-60-20</li> <li>4. 20-35-45</li> <li>5. 10-50-40</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>8. Choose all correct options</b></p> <p>Water from which sources must be decontaminated before being supplied to the consumer:</p>	<ol style="list-style-type: none"> <li>1. Artesian</li> <li>2. meteoric water</li> <li>3. ground water</li> <li>4. from open reservoirs.</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>9. Choose one correct option</b></p> <p>What salts are responsible for the hardness of water?</p>	<ol style="list-style-type: none"> <li>1. iron and aluminum</li> <li>2. salts sodium and potassium</li> <li>3. salts calcium and magnesium</li> <li>4. salts nitrites and nitrates</li> <li>5. iodine and fluorine content.</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>10. Choose all correct options</b></p> <p>Conditions that aggravate the cooling effect of atmospheric air at its low temperature is:</p>	<ol style="list-style-type: none"> <li>1. low atmospheric pressure</li> <li>2. increased humidity air</li> <li>3. low air humidity</li> <li>4. time of day</li> <li>5. presence of wind.</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>11. Choose all correct options</b></p> <p>Devices for long-term registration of meteorological factors:</p>	<ol style="list-style-type: none"> <li>1. vibrograph</li> <li>2. thermograph</li> <li>3. barograph</li> <li>4. hygrograph</li> <li>5. electrothermoanemometer</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>12. Choose all correct options</b></p>	<ol style="list-style-type: none"> <li>1. mass character</li> </ol>	mid

	Signs characteristic of food poisoning:	<ol style="list-style-type: none"> <li>2. sudden onset of the disease</li> <li>3. Acute course of the diseases</li> <li>4. High body temperature</li> <li>5. The connection of the disease with food intake.</li> </ol>	
GPC-2.2 GPC-2.3	<b>13. Choose all correct options</b> Conditions that aggravate the heating effect of atmospheric air in extreme heat:	<ol style="list-style-type: none"> <li>1. high atmospheric pressure</li> <li>2. low atmospheric pressure</li> <li>3. Presence of wind</li> <li>4. low humidity</li> <li>5. hyperkinesia</li> </ol>	mid
GPC-2.2 GPC-2.3	<b>14. Choose all correct options</b> Advantages of fluorescent lamps in comparison with incandescent lamps:	<ol style="list-style-type: none"> <li>1. ease of operation</li> <li>2. the proximity of the spectrum to daylight</li> <li>3. The absence of sharp shadows</li> <li>4. the possibility of a variety of aesthetic shapes of lamps</li> <li>5. long service life</li> </ol>	mid
GPC-2.2 GPC-2.3	<b>15. Choose all correct options</b> Sources of hospital air pollution with gaseous substances:	<ol style="list-style-type: none"> <li>1. people (anthropogenic factor)</li> <li>2. polymer materials</li> <li>3. Medicines</li> <li>4. Disinfectants</li> <li>5. Dry cleaning of premises</li> </ol>	mid
GPC-2.2 GPC-2.3	<b>16. Choose all correct options</b> When designing a multidisciplinary hospital, it should be provided for placement in separate buildings (blocks) of next departments : <ol style="list-style-type: none"> <li>a) infectious</li> <li>b) surgical unit</li> <li>c) therapeutic</li> <li>d) pediatric</li> <li>e) physiotherapy</li> </ol>	<ol style="list-style-type: none"> <li>1. b, c, e</li> <li>2. a, c, d</li> <li>3. a, b, d</li> <li>4. c, d, e</li> </ol>	high
GPC-2.2 GPC-2.3	<b>17. Choose the right combination of options</b> How does the ozone hole affect humans? <ol style="list-style-type: none"> <li>a) an increase in the flow of cosmic rays reaching the earth's surface</li> <li>b) an increase in the flow of bactericidal ultraviolet rays reaching the earth's surface</li> </ol>	<ol style="list-style-type: none"> <li>1. b, c, d</li> <li>2. a, c, e</li> <li>3. b, c, e</li> <li>4. a, b, c</li> <li>5. c, d, e</li> </ol>	high

	<p>c) an increase in the number of skin cancers</p> <p>d) an increase in the mutagenic effect of UFL</p> <p>e) the destruction of all life on earth.</p>		
<p>GPC-2.2</p> <p>GPC-2.3</p>	<p><b>18. Choose one correct option</b></p> <p>What is a microclimate?</p>	<ol style="list-style-type: none"> <li>1. the minimum severity of meteorological factors characteristic of a given area</li> <li>2. the meteorological regime in a limited area</li> <li>3. The minimum set of meteorological factors characterizing the relationship of nature to man</li> <li>4. the intensity of physical processes occurring in the atmosphere when interacting with the earth's surface</li> <li>5. a set of natural and climatic factors</li> <li>6. that determine the development of flora and fauna in a given area</li> </ol>	high
<p>GPC-2.2</p> <p>GPC-2.3</p>	<p><b>19. Choose one correct option</b></p> <p>The objective of hygiene is</p>	<ol style="list-style-type: none"> <li>1. diagnosis and treatment of diseases</li> <li>2. maintaining or improvement of health</li> <li>3. Remove or repair diseased tissues or organs</li> <li>4. the teaching methods of examination of patients, recognition of basic clinical syndromes</li> </ol>	high
<p>GPC-2.2</p> <p>GPC-2.3</p>	<p><b>20. Complete the sentence</b></p> <p>A disease is endemic if it:</p>	<p>is consistently present but _____ to a certain region. This differs from an _____ in which there is a sudden increase in the number of cases of a disease or a _____ in which a disease has spread over several countries or continents..</p>	high

**Diagnostic testing**  
**Discipline: Hygiene**  
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Specialty	General Medicine
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Graduate Department	Internal Diseases

Competence	Tasks	Option options	Question Difficulty Index
GPC-2.2 GPC-2.3	1. <b>Choose one correct option</b> In what units is the relative humidity measured?	1. as a percentage 2. in degrees of Reaumur 3. in g/m <sup>3</sup> of air 4. in cal/cm <sup>2</sup> /min 5. in mm of water column	low
GPC-2.2 GPC-2.3	2. <b>Choose one correct option</b> Sanitary-indicative microorganisms, the determination of the number of which is used for epidemiological assessment of water are:	1. Salmonella Typhi; 2. Enterococci; 3. E. coli; 4. Shigella; 5. C1.perfringens.	low
GPC-2.2 GPC-2.3	3. <b>Choose one correct option</b> The most common sources of botulism are:	1. mushrooms home-canned; 2. dairy products; 3. canned meat; 4. cold smoked fish 5. vegetables and fruits home-canned	low
GPC-2.2 GPC-2.3	4. <b>Choose one correct option</b> Hospital wards can be divided into:	1. General Wards; 2. Paediatric Wards; 3. Maternity Wards; 4. Intensive Care Units; 5. Isolation Wards	low
GPC-2.2 GPC-2.3	5. <b>Choose one correct option</b> Essential amino acids intended only for children include the following:	1. histidine. 2. methionine. 3. cystine. 4. valine..	low
GPC-2.2 GPC-2.3	6. <b>Choose one correct option</b> What salts are responsible for the hardness of water?	1. iron and aluminum 2. salts sodium and potassium	mid

		<ol style="list-style-type: none"> <li>3. salts calcium and magnesium</li> <li>4. salts nitrites and nitrates</li> <li>5. iodine and fluorine content.</li> </ol>	
GPC-2.2 GPC-2.3	<p><b>7. Choose all correct options</b></p> <p>Foods rich in high-grade protein sources are:</p>	<ol style="list-style-type: none"> <li>1. cereals and products of their processing;</li> <li>2. meat and meat products;</li> <li>3. milk and dairy products;</li> <li>4. fish and fish products;</li> <li>5. vegetables and fruits</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>8. Choose all correct options</b></p> <p>Carotene source products are:</p>	<ol style="list-style-type: none"> <li>1. carrot;</li> <li>2. red pepper;</li> <li>3. tomatoes;</li> <li>4. eggs;</li> <li>5. liver</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>9. Choose all correct options</b></p> <p>Conditions that aggravate the cooling effect of atmospheric air at its low temperature are:</p>	<ol style="list-style-type: none"> <li>1. low atmospheric pressure</li> <li>2. high humidity</li> <li>3. low air humidity</li> <li>4. time of day</li> <li>5. the presence of wind</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>10. Choose all correct options</b></p> <p>Instruments that measure atmospheric pressure are:</p>	<ol style="list-style-type: none"> <li>1. thermograph</li> <li>2. barograph</li> <li>3. an aneroid barometer</li> <li>4. catathermometer</li> <li>5. an actinometer</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>11. Choose all correct options</b></p> <p>Methods of formation of nonspecific resistance of the child's body are:</p>	<ol style="list-style-type: none"> <li>1. Widespread use of phytoprophylaxis</li> <li>2. Widespread vaccination of children</li> <li>3. Medical examination</li> <li>4. Rational nutrition</li> <li>5. Rational organization</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>12. Choose all correct options</b></p> <p>Advantages of fluorescent lamps in comparison with incandescent lamps:</p>	<ol style="list-style-type: none"> <li>1. ease of operation</li> <li>2. the proximity of the spectrum to daylight</li> <li>3. The absence of sharp shadows</li> <li>4. the possibility of a variety of aesthetic shapes of lamps</li> <li>5. long service life</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>13. Choose all correct options</b></p> <p>Types of preventionTypes of prevention are:</p>	<ol style="list-style-type: none"> <li>1. Primary</li> <li>2. Secondary</li> <li>3. Tertiary</li> <li>4. Mixed</li> </ol>	mid
GPC-2.2 GPC-2.3	<p><b>14. Choose all correct options</b></p> <p>Biological effect of the infrared part of the solar spectrum is:</p>	<ol style="list-style-type: none"> <li>1. causes skin to heat up;</li> <li>2. increases body temperature;</li> <li>3. dilates the skin vessels;</li> <li>4. increases metabolism;</li> <li>5. has a bactericidal effect</li> </ol>	mid

GPC-2.2 GPC-2.3	<b>15. Choose all correct options</b> Indicators for assessing the natural illumination of rooms that improve visual comfort are:	1. the coefficient of sinking; 2. Light coefficient; 3. window size; 4. coefficient of natural light; 5. number of windows	mid
GPC-2.2 GPC-2.3	<b>16. Choose all correct options</b> Healthy lifestyle is aimed at:	1. Maintaining health 2. Disease prevention 3. Health promotion 4. Physiological indicators 5. Microclimate indicators	high
GPC-2.2 GPC-2.3	<b>17. Choose all correct options</b> Health risk factors are:	1. Fatness 2. Irregular medical examinations 3. The presence of concomitant allergic diseases 4. Innate predisposition to colds 5. Unsatisfactory social and living conditions	high
GPC-2.2 GPC-2.3	<b>18. Complete the sentence</b> Rational nutrition is:		high
GPC-2.2 GPC-2.3	<b>19. Choose one correct option</b> The biological role of carbohydrates: 1. act as an energy source 2. serve stores for energy 3. help control blood glucose metabolism 4. biochemical catalysts 5. participate in cholesterol metabolism	1. 1, 2, 3 2. 1, 2, 4 3. 1, 3, 5 4. 3, 4, 5 5. 2, 3, 5	high
GPC-2.2 GPC-2.3	<b>20. Complete the sentence</b> A disease is endemic if it:	is consistently present but _____ to a certain region. This differs from an _____ in which there is a sudden increase in the number of cases of a disease or a _____ in which a disease has spread over several countries or continents..	high