

**MINISTRY OF PUBLIC HEALTH OF UKRAINE**

**Department of human resources policy, education and science of MPH of  
Ukraine  
Testing Board**

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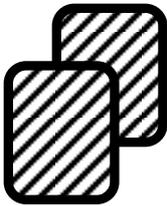
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**Test items for licensing examination**

**Krok B**

**NURSING**



## General Instruction

**Each of these numbered questions or unfinished statements in this chapter corresponds to answers or statements endings. Choose the answer (finished statements) that fits best and fill in the circle with the corresponding Latin letter on the answer sheet.**

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The book includes test items for use at licensing integrated examination "Krok B. Nursing" and further use in teaching.

The book has been developed for students and academic staff of higher medical educational establishments, for teaching of nursing.

**Approved by Ministry of Public Health of Ukraine as examination and teaching publication based on expert conclusions.**

1. A male patient with a severe craniocerebral trauma has been unconscious for a long time. What feeding method should be used in this case?

- A. Through nasogastric tube
- B. Parenteral
- C. By means of nutrient enemas
- D. Gastrostomy
- E. Enteral nutrition

2. A 58-year-old patient has a long history of gastric ulcer. For the last year he has complained of appetite loss, dissatisfaction with food, bloating and heaviness in the stomach, belching. He has also lost up to 10 kg within two months. In blood: anaemia. What kind of disease should be suspected in the first place?

- A. Malignization of gastric ulcer
- B. Exacerbation of gastric ulcer
- C. Iron deficiency anemia
- D. Complication of gastric ulcer with hemorrhage
- E. Alimentary cachexia

3. A 34-year-old patient got a cut wound 7x0,3 cm large in the region of popliteal fossa. The wound is gaping and bleeding. Bright red blood comes out in pulsating jets. Specify the scope of the first aid:

- A. Application of a tourniquet
- B. Application of an occlusive bandage
- C. Application of a compressive bandage
- D. Application of haemostatic sponge
- E. Immobilization with Diterichs' splint

4. 2 hours after the operation on stomach under general anesthesia a 36-year-old patient presented with respiratory disorder: superficial, arrhythmic respiration up to 24-26/min, cyanosis and tachycardia. AP- 140/90 mm Hg, the patient stayed conscious. The first aid should be started with:

- A. Ensuring airway patency
- B. An injection of caffeine solution
- C. Artificial lung ventilation
- D. Further active monitoring of the patient
- E. Connecting the patient to the artificial respirator

5. A patient diagnosed with anaerobic gas gangrene of hip has been delivered to the hospital. Which antiseptic must be used for instrument treatment after bandaging?

- A. 6% hydrogen peroxide solution
- B. 0,0002% furacilin solution
- C. 5% iodine solution
- D. 0,02% decamethoxin solution
- E. 0,1% potassium permanganate solution

6. Ten days after an intramuscular injection a patient developed a painful inflammatory formation in the upper external quadrant of the right buttock. Over the last three days she has presented with body temperature rise up to 38°C at night. What is the most likely diagnosis?

- A. Post-injection abscess
- B. Haematoma of buttock
- C. Erysipelatous inflammation
- D. Purulent abscess
- E. Phlegmon

7. Medical histories are kept in the cells of registry. There is such information as districts, streets, house and flat numbers. Each district has a colour code that can be found on the cells and medical history covers. What organizational system of medical histories storage is used in this registry?

- A. Address
- B. Index
- C. Alphabetical
- D. Numbered
- E. Self-storage (private)

8. A municipal hospital renders ambulatory services in the following way: each internist along with a nurse serves adult population of assigned territory with a certain number of dwellers. What principle of ambulatory care organisation is used in this municipal hospital?

- A. Territorial district
- B. Shopfloor system
- C. Familial district
- D. Combined
- E. Advisory

9. One of the structural hospital subdivisions consists of the following departments: special medical ward departments, auxiliary diagnostic department, surgery unit, department of morbid anatomy and pharmacy. Structure of this subdivision will correspond with the structure of a typical in-patient municipal hospital if the following department is present:

- A. Admission ward
- B. Emergency department
- C. Therapeutics department
- D. Preventive department
- E. Home care

**10.** An airport traffic controller who had worked with high power radiolocators for 16 years was referred to the in-patient hospital. Choose a clinical syndrome which is most typical for chronic electromagnetic radiation affection:

- A. Asthenovegetative syndrome
- B. Hyperthermic syndrome
- C. Convulsive disorder
- D. Depressive syndrome
- E. Syndrome of "acute abdomen"

**11.** A 66-year-old male patient complains about discomfort, anus itch and periodical bleeding after defecation. He has had these presentations for about 3 years. Bleeding has become more frequent over the last 6 months. Examination reveals bluish nodes sized about 1cm in the anal region in 7 and 11 o'clock-position. What is the most likely cause of such condition?

- A. Hemorrhoid
- B. Rectal fissure
- C. Rectal cancer
- D. Proctitis
- E. Rectal prolapse

**12.** A newborn child has heart rate of 92/min, his breathing rate is irregular, muscular tone is low, extremities are cyanotic, irritation with a catheter causes a grimace. Estimate the child's condition according to Apgar score:

- A. 5-6 points
- B. 7-8 points
- C. 9-10 points
- D. 3-4 points
- E. 1-2 points

**13.** A visiting nurse makes a regular home visit to a healthy 3-month-old child. To calculate the daily amount of food she uses the volumetric method. What is the due daily amount for this child?

- A. 1/6 of body weight
- B. 1/5 of body weight
- C. 1/7 of body weight
- D. 1/8 of body weight
- E. 1/4 of body weight

**14.** A child developed a disease in the second year of life when his mother noticed formation of large bruises after minor injuries. The child was admitted to the hospital with a bleeding into the knee joint. What disease can be suspected?

- A. Haemophilia
- B. Rheumatic carditis
- C. Rheumatoid arthritis
- D. Thrombocytopenic purpura
- E. Acute vascular purpura

**15.** Examination of a 7-year-old child revealed dullness on percussion over the lungs below the angle of scapula, auscultation revealed harsh respiration and small bubbling rales. A nurse should think of the following disease:

- A. Focal pneumonia
- B. Acute viral pneumonia
- C. Acute laryngotracheitis
- D. Acute nasopharyngitis
- E. Acute bronchitis

**16.** 2 weeks after recovering from angina a 10-year-old boy presented with headache, swelling of eyelids, gross hematuria. What disease are these symptoms typical for?

- A. Glomerulonephritis
- B. Rheumatism
- C. Pyelonephritis
- D. Pneumonia
- E. Cholecystitis

**17.** A 7-year-old child underwent Mantoux test. 72 hours later an infiltration 18 mm in diameter was revealed. What does it mean?

- A. Hyperergic reaction
- B. Negative reaction
- C. Dubious reaction
- D. Positive reaction
- E. -

**18.** Demographic situation in a town can be characterized by a factor that is calculated according to the following formula:  $\frac{\text{number born alive} \cdot 1000}{\text{quantity of women aged 15-49 years}}$ . What factor is it?

- A. General fecundity rate
- B. Natality
- C. Age-specific birth rate
- D. Age-specific fecundity
- E. Index of unit weight of children that were born alive of women aged 15-49 years

**19.** A financial document drawn up at a medical institution has three main sections such as: production planning indices, staffs and contingents, expense items and accompanying calculations. What financial document is it?

- A. Estimate of an institution
- B. Budget of an institution
- C. Financial statement
- D. Financial inquiry
- E. Investment plan

20. It is required to calculate the profitability of a medical preventive institution. What data should be applied for this purpose?

- A. Economic profit of the institution and the net cost of production assets
- B. Net cost of medical services
- C. Net cost of production assets and general expenses
- D. Price and net cost of medical services
- E. Net cost of medical services and total spending according to budget items

21. During the routine bacteriological inspection in a pediatric polyclinic the municipal disinfectant station revealed pathogenic microflora in manipulation and vaccination room. The head nurse of the pediatric polyclinic made a whole range of administrative decisions that focused on organisation of urgent antiepidemic measures in this polyclinic. What administrative level were these decisions made on?

- A. Operative
- B. Tactical
- C. Strategic
- D. Perspective
- E. Coordinating

22. A surgical unit of a municipal hospital had been found to have high rate of postoperative mortality. The medical council took some management decisions aimed at identifying the causes and reduction of mortality rate in the surgical unit. Which form of healthcare management is observed in this situation?

- A. Expert
- B. Linear
- C. Functional
- D. Collective
- E. Corporate

23. The study investigates causes of injuries among workers of a metallurgical plant. What type of observation (in terms of time) should be used?

- A. Current
- B. Methodical
- C. Prolonged
- D. Random
- E. Simultaneous

24. While studying the correlation between air pollution and prevalence of respiratory diseases the correlation coefficient of +0,4 was determined. Estimate the statistic interconnection between the analyzed factors:

- A. Medium, direct
- B. Strong, direct
- C. Weak, direct
- D. Strong, reverse
- E. Medium, reverse

25. An authorized person must give notice of revealed defective drugs within:

- A. 10 working days
- B. 7 working days
- C. 10 calendar days
- D. 5 working days
- E. 7 calendar days

26. A 45-year-old driller complains of dull pain in his hands at night, creeps, chill hands, headaches, poor sleep. He also observes whitening of fingers after washing his hands with cold water. Whitening of skin of the finger phalanges is observed during application of the following examination test:

- A. Cold test
- B. Capillaroscopy
- C. Test for reactive hyperaemia
- D. Pallesthesiometry
- E. Dolorimetry

27. The plan for rickets prevention in premature infants should include monitoring the timely specific prevention of rickets. It should be done since the following age of a child:

- A. From the 10th day of life
- B. From the 1st month
- C. From the 1st week of life
- D. From 1,5 months
- E. In the 2nd month of life

28. A 24-year-old male patient consulted a doctor about stomachache, sickness, vomiting and body temperature rise up to 38°C. Last food intake was 6 hours ago. Objectively: the skin is pale, covered with cold sweat. There is pain in the epigastrium region. Ps- 95/min. The tongue is coated. What manipulation should be carried out by the nurse on doctor's orders first of all?

- A. Gastric lavage
- B. Antibiotic injection
- C. Fractional gastric intubation
- D. Vitamin injection
- E. Enzymatic drug injection

**29.** A patient with facial and oropharyngeal trauma was delivered to the traumatology department. These traumas may cause such potential problems as aspiration of vomit masses and aspiration pneumonia. The main method of solving these problems is:

- A.** Suction of contents from the respiratory tracts
- B.** Drainage position in bed
- C.** Wet oxygen inhalations
- D.** Respiratory gymnastics
- E.** Drainages

**30.** Which of the following research methods involves determining common features as well as properties of objects relating to a certain class and going from particular to general, from less general to more general:

- A.** Generalization
- B.** Experiment
- C.** Idealization
- D.** Modeling
- E.** Typologization

**31.** What is the aim of briefing session conducted by the head nurse, deputy chief doctor for nursing?

- A.** To pass the information down the line according to the management instruction
- B.** To exchange the information on task performance
- C.** To give the instructions to the staff
- D.** To instruct the staff on task performance
- E.** -

**32.** A 40-year-old male patient has gastric ulcer. He complains about progresing weakness and dizziness. When the patient got up in the morning he turned pale and lost consciousness for a few seconds. There are no peritonitis symptomw. What complication of gastric ulcer might be suspected?

- A.** Bleeding ulcer
- B.** Pyloric stenosis
- C.** Penetration of ulcer
- D.** Perforation of ulcer
- E.** Malignization of ulcer

**33.** A 44-year-old victim undergoes an operation for intraperitoneal haemorrhage being the result of a road accident. What trauma allows to use patient's abdominal blood for autohemotransfusion?

- A.** Splenic rupture
- B.** Liver rupture
- C.** Thin bowel rupture
- D.** Bladder rupture
- E.** Stomach rupture

**34.** A woman fell down in the street two hours ago, she is unable of moving by herself. She complains about pain in her left shin. Examination revealed edema of the lower third and deformity in the middle third of shin. There is pain and crepitation at the deformity site. What can a nurse suspect?

- A.** Shin bone fracture
- B.** Shin contusion
- C.** Sprain of ligaments
- D.** Joint dislocation
- E.** Myorrhexis

**35.** What are the indoor storage conditions for the medical products made of plastic?

- A.** Temperature of 10-15°C, relative humidity of 55-70%
- B.** Temperature of 10-20°C, relative humidity of 60-70%
- C.** Temperature of 0-20°C, relative humidity less than 50%
- D.** Temperature of 0-20°C, relative humidity 60%
- E.** Temperature of 10-20°C, relative humidity of 55-70%

**36.** What normative document regulates the conditions and rules for drug storage?

- A.** Order of Ministry of Health of Ukraine № 44
- B.** Order of Ministry of Health of Ukraine № 436
- C.** Decree of the Cabinet of Ministers Ukraine № 447
- D.** Order of Ministry of Health of Ukraine № 356
- E.** Order of Ministry of Health of Ukraine № 197

**37.** What methods of studying morbidity rates are used for characterizing diseases causing temporary disability?

- A.** Use of information on seeking medical aid
- B.** Use of information on medical inspections
- C.** Use of information on causes of death
- D.** Use of information from medical histories
- E.** Use of information brought by special sampling studies

**38.** An information document comprisi-

ng bibliographic records and including a summary of the document's contents or its parts, containing basic factual data and conclusions required for the initial insight into a document is called:

- A. Abstract document
- B. Bibliographic document
- C. Overview document
- D. Analytical document
- E. Overview and analysis document

39. At the first stage of nursing examination a nurse revealed mucous membrane bleeding, metrorrhagia and "leopard spots". Bleeding time was increased. What is the most likely diagnosis?

- A. Thrombocytopenic purpura
- B. Purpura rheumatica
- C. Lymphogranulomatosis
- D. Haemophilia
- E. Acute leukaemia

40. According to the nursing intervention plan a nurse asked the mother of a 6-month-old child to visit children's hospital for compulsory virus B hepatitis vaccination. Choose the dose and method of vaccination in accordance with nursing intervention plan:

- A. 0,5 ml i/m to exterior hip surface
- B. 0,5 ml s/c to shoulder
- C. 0,1 ml i/d to forearm
- D. 0,1 ml s/c to shoulder
- E. 1,0 ml i/m to buttock

41. What occupational diseases is accompanied by angiodystrophic, angiospastic, vestibular syndromes as well as syndromes of nerve affection and vegetomyofascitis?

- A. Pneumatic hammer disease
- B. Caisson disease
- C. Altitude sickness
- D. Radiation sickness
- E. Occupational deafness

42. A patient with haemorrhoids asks to explain the most common causes that provoke exacerbation of the disease. Which of the listed provocations is most likely?

- A. Alcohol consumption
- B. Hot baths
- C. Cycling
- D. Abstinence of rich food
- E. Use of laxatives

43. A victim delivered to a feldsher-midwife station was found to have clinical signs of internal bleeding. First aid drugs

for arterial bleeding include:

- A. Dicynone
- B. Hydrocortisone
- C. Almagel
- D. Vikasol
- E. Cresolum

44. A 66-year-old male patient has pulmonary tuberculosis. What drug should be used for secondary prophylaxis?

- A. Isoniazid
- B. Bicillin-5
- C. Levamisole
- D. Amoxicillin
- E. Remantadin

45. A patient is registered in a dispensary for gastric ulcer. He complains about constant abdominal pain that is getting worse at night, foul-smelling eructation, morning vomiting. Objectively: the patient is 178 cm high and weighs 52 kg, his skin is dry, his tongue is coated with greyish deposit. Heart sounds are muffled, epigastrium is painful, there is visible peristalsis. What complication is it?

- A. Pyloric stenosis
- B. Hemorrhage
- C. Penetration
- D. Perforation
- E. Malignization

46. A patient complains of general weakness, dizziness, sensation of creeps, numbness in the lower extremities, periodical darting pain in the extremities, as well as burning of the tongue tip. Objectively: pale skin, subicteric scleras, bright red, glossy and smooth tongue. In blood: colour index - 1,4, macrocytosis of red blood cells, anisocytosis, Jolly bodies, Cabot's rings. What disease are these symptoms typical for?

- A. B<sub>12</sub>-folic acid deficiency anaemia
- B. Iron deficiency anaemia
- C. Chronic haemorrhagic anaemia
- D. Haemolytic anaemia
- E. Thrombocytopenia

47. A 6-month-old boy was diagnosed with dehydration of I degree against the background of intestinal toxicosis. What daily amount of liquid is it necessary to drink in such condition per 1 kg of child's body weight?

- A. 50-100 ml
- B. 70-90 ml
- C. 100-130 ml
- D. 160-170 ml
- E. 170-200 ml

48. A 20-year-old patient has been hospitalised in grave condition. He complains about chest pain, stomatorrhagia, body temperature rise up to  $38^{\circ}\text{C}$ , shiver and general weakness. Objectively: skin is pale, cervical and axillary lymph nodes are enlarged, painless. Blood analysis: Hb- 59 g/l, RBCs -  $2,2 \cdot 10^{12}/\text{l}$ , colour index - 0,8, reticulocytes - 0,1%, WBCs -  $80 \cdot 10^9/\text{l}$ , blastocytes - 40%, stab neutrophils - 2%, segmented neutrophils - 28%, lymphocytes - 10%, monocytes - 18%, trombocytes -  $76 \cdot 10^9/\text{l}$ , ESR - 38 mm/h. What is the most likely diagnosis?

- A. Acute leukaemia
- B. Chronic leukaemia
- C. Aplastic anemia
- D. Hypochromic anemia
- E. Hemorrhagic diathesis

49. A female patient has developed hyperemic rash, skin itch, dizziness and dyspnea after penicillin test. What should you do immediately on doctor's orders?

- A. Inject benadryl intramuscularly
- B. Hospitalise the patient
- C. Put hot-water bag on extremities
- D. Call an ambulance
- E. To repeat the test

50. A 42-year-old female patient complains about foul taste in the mouth, poor appetite, nausea, stomachache, eructation, vomiting at times, frequent pangs in the epigastric region. There are constipations taking turns with diarrheas. Objectively: there is a lilac-grey stipe on the gums, the skin is sallow and pale. What substance is the cause of intoxication?

- A. Lead
- B. Benzol
- C. Amino compound of benzol
- D. Mercury vapor
- E. Tetraethyl lead

51. At the beginning of the working day the head nurse of a department holds a daily briefing session (dispatching session) with the department staff. What is its purpose?

- A. To give the information on the current situation, plans for the day
- B. To pass the information down the line according to the managerial structure
- C. To instruct the staff on the task performance
- D. To solve an urgent problem
- E. To exchange the information on the task performance

52. You work as a nurse at a private clinic and one of your functional duties is marketing promotion of medical services. It involves realization of the following functions:

- A. Satisfaction of consumer needs
- B. Improving of patient's life quality
- C. Price setting for goods or services
- D. Sale of goods or medical services
- E. Reduction of costs

53. Collecting material for an essay involves psychological and pedagogical research. To increase the objectivity and reliability of the results it is recommended to apply:

- A. Crossover study
- B. Natural experiment
- C. State experiment
- D. Observation
- E. Formative experiment

54. After doing researches you should analyse and generalize the collected information. First of all, it is necessary to:

- A. Group data
- B. Evaluate information critically
- C. Compare the information
- D. Determine dependence between data
- E. Draw conclusions

55. To make a report on the research work one should use the following type of bibliographic list:

- A. Numeric
- B. Alphabetical
- C. Chronological
- D. Alphabetical and chronological
- E. Systematic

56. A 45-year-old drillman complains about aching hand pain disturbing him at night, creeping sensation, hands chill, headache and sleep disorder. In addition, notes blanching of fingers after washing hands with cold water. What disease might be suspected?

- A. Pneumatic hammer disease
- B. Silicatosi
- C. Anthracosis
- D. Siderosis
- E. Silicosis

57. The process of primary dentition finishes at the age of two years. How many deciduous teeth should children have?

- A. 20
- B. 24
- C. 14
- D. 10
- E. 6

58. A full-term infant with *A(II) Rh(+)* blood group was born of mother with *0(I) Rh(-)* blood group. Jaundice appeared on the first day of life. Bilirubin level is 150 micromole/l. What is the most likely diagnosis?

- A. Hemolytic disease of newborn
- B. Physiologic jaundice
- C. Birth trauma
- D. Impetigo neonatorum
- E. Vesiculopustulosis

59. A patient has suffered a stroke. Which drug should be included in complex therapy for normalization of neurometabolic processes in brain?

- A. Pyracetam
- B. No-shpa
- C. Seduxen
- D. Caffeine
- E. Droperidol

60. A 10-year-old child complains about frequent stranguria, body temperature rise and symptoms of intoxication. Common urine examination shows leukocyturia and bacteriuria. What disease is it?

- A. Pyelonephritis
- B. Renal insufficiency
- C. Glomerulonephritis
- D. Pneumonia
- E. Urolithiasis

61. A 35-year-old patient consults a surgeon about the right shin injury. The surgeon found out that the patient hadn't been vaccinated against tetanus over the last 3 years. What drug should be used for urgent tetanus prevention in this case?

- A. Tetanus anatoxin
- B. Antitetanus serum
- C. Antitetanus horse immunoglobulin
- D. Tetanus anatoxin and antitetanus serum
- E. Diphtheria and tetanus toxoids and pertussis vaccine

62. A 65-year-old female patient undergoes treatment for right cervical hip fracture at the traumatology department. After the operation the skeletal extension was applied. What can be the cause of osteomyelitis development?

- A. Unsterile instruments
- B. Non-union of a broken bone
- C. Absolute bed rest
- D. Bedsore development
- E. Bone osteoporosis

63. A 28-year-old male patient consulted a surgeon about acute pain, reddening with scalloped margins, cutaneous edema in the lower third of his right shin and body temperature rise up to 39°C. What disease might be suspected?

- A. Erysipelas
- B. Varix dilatation
- C. Thrombophlebitis
- D. Lymphadenitis
- E. Obliterating endarteritis

64. A 40-year-old in-patient undergoes treatment for the community-acquired pneumonia with pronounced clinical symptoms. What can happen to him in the period of sudden drop in body temperature?

- A. Collapse
- B. Insult
- C. Infarction
- D. Coma
- E. Biliary colic

65. A patient complains about cough with expectorating a mouth-full of sputum. Objectively: "drumstick fingers", "watch-glass nails". What disease are these symptoms characteristic of?

- A. Bronchiectasis
- B. Pulmonary emphysema
- C. Pulmonary tuberculosis
- D. Pleurisy
- E. Pneumonia

66. A 36-year-old male patient suffering from insulin-dependent diabetes mellitus was delivered to a hospital in grave condition. Objectively: he is unconsciousness, has muscular jerks, skin is pale and wet, there is no acetone odour. What drug injection

should be given to the patient first of all?

- A. 40% glucose solution
- B. 5% glucose solution
- C. Glucagon
- D. Insulin
- E. Noradrenaline

67. A 2-year-old boy has been ill for 3 days. He is gravel-voiced, "barking cough" is present. The child developed dyspnea at night. The skin is cyanotic, auxiliary muscular system takes part in breathing. What urgent state corresponds with such symptoms?

- A. Stenosing laryngotracheitis
- B. Asthmatic attack
- C. Diphtheritic croup
- D. Pneumonia
- E. Foreign body in the upper respiratory tracts

68. A patient was found to have urinary syndrome: cloudy urine with a foul smell, proteinuria (0,99 g/l), pyuria, cylindruria, bacteriuria. What disease can be suspected?

- A. Pyelonephritis
- B. Chronic renal disease
- C. Glomerulonephritis
- D. Cystitis
- E. Nephrotic syndrome

69. A patient complains of cough, body temperature rise up to 39°C and sternal pain. He has been provisionally diagnosed with pneumonia. What is the most credible additional examination that will allow to confirm the diagnosis?

- A. X-ray
- B. Spirography
- C. Pneumotachometry
- D. Peakflowmetry
- E. Bronchoscopy

70. A 30-year-old patient complains of hoarseness, laborious cough, inspiratory dyspnea. Objectively: stridor, pale and edematous face and neck. The edema is dense, localized on the lips, eyelids, neck. The patient has a history of allergies to certain foodstuffs. What condition are these symptoms typical for?

- A. Quincke's edema
- B. Bronchial asthma
- C. Acute bronchitis
- D. Pneumonia
- E. Heart failure

71. A nurse looks after a patient of the

gastroenterologic department. Specify the peculiarities of diet in case of gastric ulcer:

- A. Boiled and ground food
- B. Limited fluid intake
- C. Increase in carbohydrates
- D. Avoidance of dairy products
- E. Fasting days

72. A nurse cares for a patient with hypertensive crisis. She should apply mustard plasters to the following anatomic region:

- A. Occiput
- B. Region of heart
- C. Interscapular
- D. Forehead
- E. Sternum

73. A patient suddenly developed pronounced inspiratory dyspnea and dry cough during the sleep. The patient's condition progressively worsened, he developed noisy bubbling breathing, cough with pink foamy sputum. The patient was administered oxygen inhalation. Oxygen should be humidified with:

- A. Ethyl alcohol
- B. Distilled water
- C. Tap water
- D. Methyl alcohol
- E. Saline solution

74. A nurse working at the urology department was asked to prepare the indigo carmine solution. What study is it intended for?

- A. Cystochromoscopy
- B. Intravenous urography
- C. Retrograde pyeloureterography
- D. Antegrade urography
- E. Renal phlebography

75. After the transfusion of 500 ml of blood stabilized with sodium citrate a 42-year-old patient developed convulsions, anxiety, accelerated heart rate, pressure drop, dyspnea. What complication is it?

- A. Citrate shock
- B. Allergic reaction
- C. Anaphylactic shock
- D. Pyrogenic reaction
- E. Transfusion shock

76. A man with symptoms of acute catarrhal intoxication with arsenic compounds was delivered to the hospital. Choose the antidotes that should be used for his treatment:

- A. Sodium thiosulfate, tetacine calcium
- B. Glucose, ascorbic acid, vitamins of B group
- C. Proserin, tropazine
- D. Atropine sulphate, unithiol
- E. Cordiamin, sodium caffeine benzoate

77. A head nurse working at a municipal hospital has been asked by a patient to explain the main sources of public funding of healthcare. What explanation should be given?

- A. General tax revenues
- B. Fixed payments to the labour fund
- C. Target contributions of entrepreneurs
- D. State subsidies from public or target revenues
- E. State subventions

78. A nurse receives sterile bandaging materials for her department from a drug-store. While checking the marking of sterile medical gauze she reveals non-compliance of the marking with the State Standard 1172-93. What non-compliance might have been revealed?

- A. Absence of sterilization date
- B. Red Cross emblem
- C. Description and size of bandage
- D. Manufacture date
- E. Inscription "sterile"

79. A 12-year-old boy suddenly felt anxiety, weakness and tachycardia during PE lesson. The skin was pale and very wet. Some time later he developed convulsions and lost consciousness. He has been ill with diabetes mellitus for 5 years. Estimate the patient's condition:

- A. Hypoglycemic coma
- B. Diabetic ketoacidic coma
- C. Diabetic ketoacidosis
- D. Epileptic seizure
- E. Uremic coma

80. 2 years after having B hepatitis a 12-year-old child has been diagnosed with chronic hepatitis. What laboratory test will be the most objective indicator of compromised liver function?

- A. Bilirubin level in blood serum
- B. Clinical blood analysis
- C. Clinical urine analysis
- D. Bile pigment urine analysis
- E. Glucose concentration in blood serum

81. Disease prevention includes primary, secondary and tertiary prevention. Which of the following relates to the objectives of primary prevention?

- A. Prevention of diseases
- B. Prevention of complications
- C. Prevention of further disease development
- D. Rehabilitation
- E. Relapse prevention

82. The mismatch between supply and demand caused by a number of factors objectively results in deviation of price from the initial cost. Such situation corresponds with the following law:

- A. Law of supply and demand
- B. Law of time saving
- C. Law of value
- D. Law of competition
- E. Law of effectiveness

83. 10 days after angina a 19-year-old girl consulted a district doctor about facial edemata, severe weakness. Objectively: pale skin,  $t^{\circ}$ -37,4°C, HR- 98/min, AP-165/98 mm Hg. Heart sounds are muffled, there is aortic accent of the second sound. Urine is dark red in amount of 400 ml per day. The patient is to be hospitalized to the following department:

- A. Nephrologic
- B. Therapeutic
- C. Urologic
- D. Cardiologic
- E. Infectious

84. Which figure of bar code is the control one and is used for checking the correctness of reading of strokes by the scanner?

- A. Last
- B. First and second
- C. Third
- D. Fourth
- E. Fifth

85. In case of quantity discrepancies revealed during the acceptance of domestically produced drugs the claim can be filed within:

- A. No later than three days
- B. Not later than seven days
- C. Not later than ten days
- D. During the year
- E. During the shelf-life

86. A 45-year-old patient has inguinal hernia. After performing hard physical work the hernia became very painful, firm, irreducible. The abdomen is irregularly swollen, there is no release of gases. What complication has developed in this patient?

ent?

- A.** Incarcerated hernia
- B.** Irreducible hernia
- C.** Hernial inflammation
- D.** Coprostaniasia
- E.** Ileus

**87.** Since birth a 2-year-old child presents with cyanosis of skin and mucous membranes which progresses with physical load. Auscultation reveals rough systolic heart murmur. The child lags behind in physical development, body weight is 10 kg. These symptoms are typical for the following pathology:

- A.** Atelocardia
- B.** Bronchial asthma
- C.** Rheumatic carditis
- D.** Myocardiopathy
- E.** Anaemia

**88.** After discharge from the maternity hospital a baby presented with blisters that burst uncovering the erosive surface. His condition is getting worse and worse. Body temperature is  $39^{\circ}\text{C}$ . What disease might be suspected?

- A.** Impetigo neonatorum
- B.** Pseudofurunculosis
- C.** Umbilical sepsis
- D.** Vesiculopustulosis
- E.** Toxic erythema of a newborn

**89.** A patient with suspected gastric ulcer perforation has been delivered to the admission ward. What diagnostic method can confirm the diagnosis?

- A.** Survey radiography
- B.** Ultrasonography of the abdomen
- C.** Irrigoscopy
- D.** Contrast radiography
- E.** Rheography

**90.** When deciding where to seek medical aid a patient will choose the institution where he or she can be rehabilitated faster and with best results. At the same time he must know that paid medical services can be offered by the following medical institutions:

- A.** Of all patterns of ownership
- B.** Private
- C.** Public
- D.** Special medical institutions
- E.** Preventive clinics

**91.** One of the components of financial management is estimation of health care profitability. It indicates the quantity of

medical services rendered per year which cover the expenses for maintaining an institution and taking medical prevention actions. Profitability of an institution depends on the following indicators of its activity:

- A.** Fixed expenses and price, running costs of one service
- B.** Budget of an institution
- C.** Average price of service
- D.** Fixed expenses of an institution
- E.** Quality of services

**92.** When a commodity expert working for a wholesale firm reveals shortages, damage or breakage of goods he should complete the receiving report in:

- A.** Triplicate
- B.** One copy
- C.** Quadruplicate
- D.** Receiving report is not to be completed
- E.** Duplicate

**93.** The head nurse of the central regional hospital knows how to convince her employees in reasonability of certain actions. As a supervisor she uses non-traditional methods of influence and department staff management. She has a good reputation and is held in respect by her fellow employees. What type of leadership is it?

- A.** Charismatic leadership
- B.** Reformative leadership
- C.** Leadership as demonstration of inherent abilities
- D.** Leadership as a result of acquired character traits
- E.** Leadership as a result of situational impact

**94.** The head doctor of the municipal hospital №5 commissioned the head nurse to check if the division of labour between the employees meets the following requirements: tasks accomplished by the employees should be compliant with their qualification and work experience. Specify the type of labour division:

- A.** Competent
- B.** Functional
- C.** By age
- D.** Technological
- E.** By sex

**95.** The workers of the traumatology department have a conflict with the workers of surgical department about untimely cleaning of hospital territory. What type of conflict is it?

- A. Intergroup conflict
- B. Nongroup conflict
- C. Intragroup conflict
- D. Intrapersonal conflict
- E. Interpersonal conflict

96. A scientific research begins with choosing scientific direction, problem, topic and scientific questions. The direction of a scientific research is determined by:

- A. Branch of science
- B. Availability of a scientific hypothesis
- C. Availability of conclusions and suggestions on the subject
- D. Science classifier
- E. Market requirements

97. A 5-year-old child presents with poor appetite, inertness, pale skin and mucous membranes, dry skin, brittle hair. In blood: Hb- 91 g/l, colour index - 07, ESR - 8 mm/hour. What disease are these symptoms most typical for?

- A. Anaemia
- B. Pneumonia
- C. Stomatitis
- D. Dyspepsia
- E. Rickets

98. A 3-year-old child has skin cyanosis, "watch-glass" nails and "drumstick" nail bones. Auscultation reveals that II sound of pulmonary artery is weak, there is rough systolic murmur. The child has hypoxemic attacks such as tachypnoe, cyanosis aggravation and excitement. The child is physically underdeveloped. Choose the disease that is characterised by the described symptoms:

- A. Congenital heart disease
- B. Rheumatic fever
- C. Acute myocarditis
- D. Bronchial asthma
- E. Rheumatic pericarditis

99. A 60-year-old patient is depressed, he sees everything in black, feels anguish, anxiety, fear, has thoughts of suicide. What emotional disorder is it?

- A. Depression
- B. Apathy
- C. Euphoria
- D. Dysphoria
- E. -

100. A 17-year-old patient complains about pain in the right knee joint. He claims to have been suffering from it since childhood. The nasal hemorrhages are

frequent. There are three children in the family: two boys and one girl. His brother has similar disease. Objectively: the knee joint is swollen, palpation and movements cause pain. What is the most likely disease?

- A. Haemophilia
- B. Werlhof's disease
- C. Schonlein-Henoch disease
- D. Acute leukaemia
- E. Chronic leukaemia

101. Nursing examination of a 70-year-old male patient with chronic atonic colitis revealed such problems as nausea, abdominal swelling and costiveness for over 3 days. What foodstuffs should the nurse recommend for costiveness prevention?

- A. Beet, carrot, prunes
- B. Tinned food, white bread, cabbage
- C. Milk, brown bread, pork
- D. Vegetables, fresh milk, hard cheese
- E. Vegetables, fruit juices, cakes

102. A nurse cares for a 19-year-old patient in the framework of nursing process. The patient complains of stabbing heart pain, palpitation, dyspnea on exertion, body temperature rise up to 38,3°C at night. She has a history of frequent anginas. A month ago she had angina but underwent no treatment. After that there appeared the mentioned problems. What disease are these problems typical for?

- A. Rheumatic disease
- B. Rheumatoid arthritis
- C. Arthrosis deformans
- D. Glomerulonephritis
- E. -

103. A 45-year-old male patient complains about pain in the left lumbar region irradiating to his hip; frequent urination and urinary vomiting. Pasternatsky's symptom is positive on the left. What drug should be injected as the first medical aid?

- A. Baralgin
- B. Lasix
- C. Nitroxoline
- D. Cystenal
- E. Avisanum

104. A nurse works in the office of preventive vaccination of children at a pediatric clinic. Specify the medical document intended for keeping records of completed vaccinations:

- A.** Register for preventive vaccination count (form. № 064/o)
- B.** Outpatient medical sheet (form № 025/o)
- C.** Register for procedure count (form № 029/o)
- D.** Infection incidence register (form №060/o)
- E.** Outpatient register (form № 074/o)

**105.** A nurse recommends a patient with diabetes mellitus to eat 30 minutes after an insulin injection. This can prevent the following complication:

- A.** Hypoglycemic coma
- B.** Hyperglycemic coma
- C.** Hyperosmolar coma
- D.** Lactic acid coma
- E.** Thyrotoxic coma

**106.** A nurse performs preventive tuberculosis vaccination to a newborn weighing 3400 g. How long can the diluted vaccine be used?

- A.** 2 hours
- B.** 6 hours
- C.** 3 hours
- D.** 5 hours
- E.** 10 hours

**107.** What test should be administered to a child after an attack of laryngospasm in order to confirm spasmodic diagnosis?

- A.** Biochemical blood test for calcium
- B.** Complete blood count
- C.** Urinalysis
- D.** Biochemical blood test for C-reactive protein
- E.** Blood test for bilirubin

**108.** Specify the type of demand that remains actually unchanged in case of price variation:

- A.** Nonelastic
- B.** Elastic
- C.** Partly elastic
- D.** Stable
- E.** Relatively elastic

**109.** A patient consulted a doctor about dyspnea, dry cough, constant chest pain. Chest radiograph shows nodular shadows 1-2 mm in diameter located in the middle and inferior segments. It is known from the history that the patient has worked as a miner for over 15 years. What disease can be suspected?

- A.** Anthracosis
- B.** Pneumatic hammer disease
- C.** Chronic bronchitis
- D.** Pulmonary tuberculosis
- E.** Pneumonia

**110.** A woman complains about abrupt temperature rise, myalgia, cough, sharp intermittent stomachache, metallic taste in the mouth and nasal bleedings. It is known from the past history that she had processed tomatoes with bordeaux chemicals for 2 days. Objectively: AP- 80/50 mm Hg, Ps- 60/min, there is skin rash on the upper and lower extremities. Which pesticides might have caused the described disease?

- A.** Metal-containing compounds
- B.** Organochlorine compounds
- C.** Organophosphorous compounds
- D.** Arsenic compounds
- E.** Carbonates

**111.** While drawing up an annual plan for preventive vaccination of 6-year-old children the head nurse of a kindergarten should schedule the following vaccinations:

- A.** DT, polio, rubella, measles, mumps
- B.** DPT, polio and Haemophilus influenzae
- C.** DT, polio, BCG
- D.** DT, hepatitis B, measles, mumps
- E.** Polio, DT

**112.** A 23-year-old patient undergoes treatment at the endocrinologic department for diabetes mellitus. A nurse should control if the patient follows the following diet:

- A.** Diet № 9
- B.** Diet № 1
- C.** Diet № 5
- D.** Diet № 7
- E.** Diet № 10

**113.** A 57-year-old man stays at the surgical department after venotomy (phlebotomy). In order to implement the nursing care plan a nurse should teach the patient to:

- A.** Apply crepe bandage
- B.** Do therapeutic physical massage
- C.** Change body position in bed
- D.** Keep to a diet
- E.** Take body temperature

**114.** A 10-year-old boy complains of dry cough, dyspnea. He has a one-year history of the disease. Dyspnea attacks occur 1-2 times per month. He has been diagnosed with bronchial asthma. What changes in the

respiratory system can be revealed during objective examination?

- A. Bilateral wheezes, expiratory dyspnea
- B. Suppressed breath sounds, crepitation
- C. Harsh respiration, moist rales
- D. Inspiratory dyspnea with chest indrawing
- E. Suppressed breath sounds, moist rales

**115.** A head nurse received drugs from the supplier of wholesale company "Alba". What accompanying documents should be delivered along with goods?

- A. Invoice, certificate of quality
- B. Request, invoice, certificate of quality
- C. Tax invoice, certificate of quality
- D. Invoice, order, certificate of quality, expert's report on quality
- E. Invoice, check-list of drugs

**116.** A head nurse is responsible for correct organisation of drug storage, therefore she arranges certain drugs separately in the following way:

- A. By pharmacological groups according to the way of drug introduction
- B. By pathologies whose pharmacotherapy involves such drugs
- C. By supplier companies
- D. Alphabetically
- E. Randomly, in her own way that is comfortable for her

**117.** Two days after laparotomy performed under endotracheal anaesthesia a 31-year-old male patient was told to turn from side to side, do respiratory gymnastics and alkaline inhalations on doctor's orders. What complication can be prevented by doing such things?

- A. Bronchitis
- B. Enteroparesis
- C. Thrombosis
- D. Embolism
- E. Surgical drain obstruction

**118.** A company producing medical tools has launched a new model of thermometers. Choose the correct sequence of stages in the process of perception of the brand-new product:

- A. Awareness, interest, evaluation, trying out, perception
- B. Interest, awareness, evaluation, trying out, perception
- C. Awareness, evaluation, interest, perception
- D. Awareness, evaluation, trying out, interest, perception
- E. Interest, awareness, trying out, evaluation, perception

**119.** A medical institution enters the medical services market with a new offer. What action should be prior to the service positioning on the market?

- A. Choosing a market segment
- B. Analysis of assortments
- C. Evaluation of experts' competence
- D. Evaluation of medical service competitiveness
- E. Building the ordered series

**120.** What method of conflict management should be chosen if a person is extremely interested in achieving the desired result for him and is little concerned about achieving the desired results by the other party?

- A. Pressure
- B. Avoidance
- C. Reconciliation
- D. Cooperation
- E. Compromise

**121.** A 30-year-old patient has been admitted to the surgical department with complaints of pain in the region of wound, muscle twitching, swelling of the extremities, headache, fever up to 39°C, palpitations. The skin is cold to the touch, the wound is contaminated with soil. What disease is most likely?

- A. Tetanus
- B. Erysipelas
- C. Phlegmon
- D. Angina
- E. Gas gangrene

**122.** A 39-year-old injured man with a craniocerebral trauma has been delivered to the admission ward. Objectively: the victim is unconscious, there is pink liquid slowly coming out from the external acoustic meatus and nasal passages. There are haemorrhages around both eyes. AP is 105/55 mm Hg, Ps- 65/min. What is your provisional diagnosis?

- A. Basal skull fracture
- B. Fracture of the cranial vault
- C. Fracture of zygomatic bones
- D. Cerebral compression
- E. Intracranial hematoma

**123.** A 72-year-old male patient complains about stranguria. He claims that urine trickles or drips and there are frequent urinations at night. What is the most likely diagnosis?

- A. Adenoma of prostate gland
- B. Acute prostatitis
- C. Acute urethritis
- D. Cystic tuberculosis
- E. Urolithiasis

**124.** A 25-year-old patient consulted a doctor about reduced sensitivity of nose, cheeks and forehead that developed after skiing. Objectively: the skin is pale and cold to the touch. Describe the patient's condition:

- A. Prereactive period frostbite
- B. Initial stage of general frostbite
- C. General supercooling
- D. Reactive period of frostbite
- E. Second degree frostbite

**125.** A patient had been admitted to the thoracic department with a penetrating chest wound complicated by lung injury. The patient underwent pneumonectomy and was administered thoracostomy. Specify the required passive drainage:

- A. Siphonic, by Bulau's method
- B. With 3-ampoule system
- C. With electrical device
- D. With water-jet device
- E. With a rubber balloon

**126.** A child is 2 years old. His mother consulted a doctor about deteriorating health of the child, inertness, capricious mood, loss of appetite, liquid, sometimes greenish stool. Laboratory analysis of feces revealed a significant decrease in bifidobacteria and lactobacilli rate and growth of opportunistic microflora. What state can be suspected?

- A. Dysbiosis
- B. Toxicosis with exsiccosis
- C. Functional dyspepsia
- D. Food poisoning
- E. Rotavirus

**127.** During the inhalation anesthesia a patient had respiratory standstill as a result of tongue-swallowing. A nurse applied triple-airway maneuver but it was ineffecti-

ve. What should the staff do to render further aid?

- A. Establish an artificial airway
- B. Give an injection of 2,4% aminophylline solution
- C. Give an injection of 10% solution of calcium chloride
- D. Press upon chest
- E. Perform defibrillation

**128.** A woman presented at the plant medical station and complained of swelling and bursting pain in the lower limb. She has a history of varix dilatation of deep veins on the left. Objectively: the limb is enlarged and cyanotic. Pulse on the pedal arteries is present. The nurse suspected acute deep vein thrombosis of the left leg. The primary action of the nurse should be:

- A. Apply ice packs
- B. Give spasmolytics
- C. Give diuretics
- D. Raise the affected limb
- E. Apply hot compress on the limb

**129.** Each patent medicine has approved attributes such as: labels stuck or printed on the packing, inserts, wrappers and instructions concerning the usage of medicines. Their graphic design must correspond with:

- A. Specifications of sectoral scientific-technical documentation and decorative original
- B. Contents of instruction and inserts
- C. Batch number and composition
- D. Number of registration certificate and batch number
- E. Contents of instruction and composition

**130.** A patient complains about pain in hand and feet joints, morning stiffness and deformity of these joints. What disease can be suspected?

- A. Rheumatoid arthritis
- B. Osteoarthritis
- C. Rheumathritis
- D. Podagra
- E. Systemic lupus erythematosus

**131.** Examination of a patient with lung carcinoma revealed cough with bloody sputum, weakness, dysorexia, weight loss and chest pain. What is the most urgent problem in this case?

- A. Hemoptysis
- B. Weakness
- C. Chest pain
- D. Dysorexia
- E. Weight loss

**132.** After eating forest berries a patient developed choking cough, husky voice and inspiratory dyspnea. The patient is anxious, pale. Paraglossia and face edema are also presented. What drug should be injected according to doctor's orders?

- A. Prednisolone
- B. Analgin
- C. Ketanov
- D. Baralgine
- E. No-shpa

**133.** Leadership style in management is an important way to influence the team. When the leader follows the principle of "one man, one vote" and encourages employees to actively participate in making decisions, controls and spurs each person into action, this style is called:

- A. Democratic
- B. Tutorial
- C. Managerial
- D. Personal
- E. -

**134.** Guaranteed storage life of ready-made sterile dressing materials is:

- A. 5 years since the date of manufacture
- B. 2 years since the date of acceptance according to the invoice
- C. 1 year since the date of acceptance according to the invoice
- D. 3 years since the date of manufacture
- E. They have no expiration date

**135.** A 42-year-old female patient is depressed. She is sad and thoughtful, she communicates with nurse unwillingly and refuses to eat. She lies on the bed with her face turned to the wall. The nurse should suspect the following danger to the patient's life:

- A. Suicidal thoughts and actions
- B. Bedsore development
- C. Body weight loss
- D. Avitaminosis development
- E. Hypostatic pneumonia development

**136.** A scrub nurse makes preparations for craniotomy. Which tool from the special set should be prepared?

- A. Gigli saw
- B. Surgical forceps
- C. Lancet-shaped scalpel
- D. Farabeuf retractors
- E. Amputational retractor

**137.** A patient inadvertently seized a bared wire under 380 V. He is unconsciousness. What will be the first aid?

- A. To release the patient from electric current
- B. To resuscitate
- C. To apply aseptic dressing
- D. To do the toilet of oral cavity
- E. To perform surgical treatment of wound

**138.** A newborn child has symptoms of intoxication. There is also asymmetrical enlargement and infiltration of one mammary gland. The skin over the gland is hot, there are purulent discharges from the duct. What is the most likely diagnosis?

- A. Suppurative mastitis of a newborn
- B. Abscess
- C. Physiological swelling of mammary glands
- D. Phlegmon
- E. Toxic erythema of a newborn

**139.** An 11-month-old child had been given whole cow milk in the morning. In the evening the child became inert, body temperature rose up to  $38^{\circ}\text{C}$ , there were repeated vomiting and defecation 8 times a day with liquid mucous and blood-streaked stool. This state is interpreted as:

- A. Acute gastroenterocolitis
- B. Acute gastritis
- C. Acute gastroenteritis
- D. Ulcerative colitis
- E. Acute enteritis

**140.** A 5-year-old child has intoxication symptoms and cough. The percussion reveals dullness of percussion sound under the right scapula. The auscultation reveals quiet breath sounds and crepitations. What disease are these symptoms most typical for?

- A. Bronchopneumonia
- B. Bronchial asthma
- C. Tracheitis
- D. Acute stenosing laryngitis
- E. Bronchitis

**141.** An 8-year-old child has rash on the trunk, face and scalp in form of papulae, maculae and vesicles with turbid contents. Such condition is typical for the following disease:

- A. Chickenpox
- B. Measles
- C. Rubella
- D. Epidemic parotiditis
- E. Allergic dermatitis

**142.** A 5-year-old child with pyelonephritis has been administered nitrofurans. What drugs should be prepared?

- A. Furaginum, furadonin
- B. Biseptol, aethazolum
- C. Nalidixic acid, nevigramon
- D. Voltaren, ortophenum
- E. Levamisole, thymogen

**143.** To normalize intestinal microflora and treat dysbiosis in children with hypotrophy eubiotics are usually administered, namely:

- A. Biform, linex, yogurt
- B. Polysorb
- C. Festal, enzystal
- D. Albumin, plasma
- E. Tavegyl, suprastin

**144.** A 30-year-old milking machine operator has been experiencing muscle and joint pain for several months. On examination the signs of affection of shoulder, elbow and hip joints, fibrositis were revealed. What kind of professional disease can be suspected?

- A. Brucellosis
- B. Toxoplasmosis
- C. Tularemia
- D. Glanders
- E. Lymphogranulomatosis

**145.** In order to work successfully in a new job a nurse should master the system of relationships, establish positive relations with team members. What is the first-priority factor for her successful work in a new job?

- A. Social adaptation
- B. Fair remuneration
- C. Relevant qualification
- D. Growth prospect
- E. Friendly nature

**146.** Head nurse of a hospital relates to the professional group of "executives". She distributes (delegates) part of her responsi-

bilities among her employees. What is the aim of authority delegation?

- A. Optimal solution of a complex task
- B. Maintenance of "group" work style
- C. Testing the skills of employees
- D. Stimulating the origin of an informal organization
- E. Facilitating the work of an executive

**147.** A nurse working at a family outpatient clinic is in the second stage of statistical analysis. This stage includes:

- A. Registration and collection of statistical data
- B. Consolidation of statistical data
- C. Development of statistical data
- D. Comparison of statistical data with their standards
- E. Identifying the object of statistical analysis

**148.** In order to represent the contents of documents in form of short coded notifications one should process these documents in a certain way. Specify the method of scientific document processing:

- A. Indexing
- B. Questioning
- C. Interviewing
- D. Task study
- E. Research

**149.** Classification of a document database shows its certain aspect and is used in appropriate information structures. Document classifications are divided into:

- A. Subject and systematic
- B. Multiple-aspect
- C. Adaptive
- D. Document
- E. Simple

**150.** Name the basic forms of training of scientific and academical personnel:

- A. Postgraduate course and doctorate
- B. Bachelor degree program and MA course
- C. Postgraduate course and MA course
- D. Doctorate and MA course
- E. Postgraduate course and bachelor degree program

## **INSTRUCTIONAL BOOK**

Ministry of public health of Ukraine (MPH of Ukraine)  
Department of human resources policy, education and science of MPH of Ukraine  
Testing Board

TEST ITEMS FOR LICENSING EXAMINATION: KROK B. NURSING.

Kyiv. Testing Board.  
(English language).

Approved to print 22.04./№150. Paper size 60x84 1/8  
Offset paper. Typeface. Times New Roman Cyr. Offset print.  
Conditional print pages 18. Accounting publishing pages 20.  
Issue. 10 copies

## List of abbreviations

A/G	Albumin/globulin ratio	HR	Heart rate
A-ANON	Alcoholics anonymous	IDDM	Insulin dependent diabetes mellitus
ACT	Abdominal computed tomography	IFA	Immunofluorescence assay
ADP	Adenosine diphosphate	IHD	Ischemic heart disease
ALT	Alanin aminotransferase	IU	International unit
AMP	Adenosine monophosphate	LDH	Lactate dehydrogenase
AP	Action potential	MSEC	Medical and sanitary expert committee
ARF	Acute renal failure	NAD	Nicotine amide adenine dinucleotide
AST	Aspartat aminotransferase	NADPH	Nicotine amide adenine dinucleotide phosphate restored
ATP	Adenosine triphosphate	NIDDM	Non-Insulin dependent diabetes mellitus
BP	Blood pressure	PAC	Polyunsaturated aromatic carbohydrates
bpm	Beats per minute	PAS	Periodic acid & Schiff reaction
C.I.	Color Index	pCO <sub>2</sub>	CO <sub>2</sub> partial pressure
CBC	Complete blood count	pO <sub>2</sub>	CO <sub>2</sub> partial pressure
CHF	Chronic heart failure	pm	Per minute
CT	Computer tomography	Ps	Pulse rate
DIC	Disseminated intravascular coagulation	r	roentgen
DCC	Doctoral controlling committee	RBC	Red blood count
DM-2	Non-Insulin dependent diabetes mellitus	RDHA	Reverse direct hemagglutination assay
DTP	Anti diphtheria-tetanus vaccine	Rh	Rhesus
ECG	Electrocardiogram	(R)CFT	Reiter's complement fixation test
ESR	Erythrocyte sedimentation rate	RIHA	Reverse indirect hemagglutination assay
FC	Function class	RNA	Ribonucleic acid
FAD	Flavin adenine dinucleotide	RR	Respiratory rate
FADH <sub>2</sub>	Flavin adenine dinucleotide restored	S1	Heart sound 1
FEGDS	Fibro-esophago-gastro-duodenoscopy	S2	Heart sound 2
FMNH <sub>2</sub>	Flavin mononucleotide restored	TU	Tuberculin unit
GIT	Gastrointestinal tract	U	Unit
GMP	Guanosine monophosphate	USI	Ultrasound investigation
Hb	Hemoglobin	V/f	Vision field
HbA1c	Glycosylated hemoglobin	WBC	White blood count
Hct	Hematocrit	X-ray	Roentgenogram
HIV	Human immunodeficiency virus		