

## Specifications for the Assessment of Professional Training of Graduates

<b>Intended examinee population:</b>	Graduates
Educational Program:	Internship
Specialty:	General Medical Practice (7th year)
Aim:	Evaluation of the achievements of the final learning outcomes of educational programs' graduates
Assessment Format:	<b>Stage 1 – Knowledge Assessment</b> (computer-based testing): 100 test questions (MCQ A- and F-type) <b>Duration:</b> 150 minutes (without break) <b>Passing threshold:</b> 50% (50 points) <b>Stage 2 – Skills Assessment</b> using computer and simulation technologies for solving situational tasks (case testing): Number of situational tasks: 5 <b>Duration:</b> 90 minutes <b>Passing threshold:</b> 50% (50 points)

№	Content	Weight (%)	Number of TQ
1	<p><b>Documentation Management and Organization of General Practitioner Work at the PHC Level</b></p> <ul style="list-style-type: none"> <li>• Structure of PHC institutions. Regulatory and legal framework of PHC. Principles and rules for providing primary health care to the population. Organization of medical care for various population groups in outpatient settings. Principles of care delivery within PHC.</li> <li>• Working with the mandatory social health insurance (MSHI) and State Guaranteed Benefit Package (SGBP) packages, electronic registries at the PHC level.</li> <li>• Conducting dynamic follow-up of patients with the most common diseases in general medical practice.</li> <li>• Organization and implementation of temporary disability assessment. Organization of permanent disability assessment. Rules for completing documentation and referring patients for Medical and Social Expertise (MSE).</li> <li>• Key aspects of prevention and screening programs in general medical practice.</li> <li>• Organization of medical rehabilitation in general practice.</li> </ul>	5	5
2	<p><b>Internal Diseases in General Medical Practice</b></p> <ul style="list-style-type: none"> <li>• Community-acquired pneumonia. Bronchial asthma. Acute bronchitis. COPD. Bronchitis. Community-acquired pneumonia. ARVI. Acute respiratory infections.</li> <li>• Atherosclerosis. Coronary artery disease (unstable angina, myocardial infarction, sudden death). Arterial hypertension. Chronic heart failure. Chronic ischemic heart disease (stable angina, silent ischemia). Cardiac arrhythmias and conduction disorders. Congenital and acquired heart defects. Chronic rheumatic heart disease.</li> <li>• GERD. Peptic ulcer disease of the stomach and duodenum.</li> <li>• Chronic cholecystitis.</li> <li>• Chronic pancreatitis.</li> <li>• Viral hepatitis B and C (early diagnosis and outpatient management).</li> <li>• Liver cirrhosis of viral and non-viral etiology (early diagnosis and outpatient management).</li> <li>• Type 1 and Type 2 diabetes mellitus. Obesity. Diffuse toxic goiter. Hypothyroidism.</li> <li>• Obesity.</li> <li>• Rheumatoid arthritis. Osteoarthritis.</li> </ul>	13	A-type- 10 F- type - 3

	<ul style="list-style-type: none"> <li>• Urinary tract infections.</li> <li>• Chronic kidney disease.</li> <li>• Chronic primary glomerulonephritis.</li> <li>• Tubulointerstitial nephritis.</li> <li>• Iron-deficiency anemia.</li> <li>• Vitamin B12-deficiency anemia, folate-deficiency anemia.</li> <li>• Acute leukemias (early diagnosis and outpatient management).</li> <li>• Chronic lymphocytic leukemia (early diagnosis and outpatient management).</li> </ul>		
3	<p><b>Pediatric Diseases in General Medical Practice</b></p> <ul style="list-style-type: none"> <li>• General danger signs within the IMCI framework.</li> <li>• Severe bacterial infection in young children (early diagnosis and outpatient management).</li> <li>• Malnutrition.</li> <li>• Vitamin D-deficiency rickets.</li> <li>• Iron-deficiency anemia in children.</li> <li>• Atopic dermatitis (early diagnosis and outpatient management).</li> <li>• Acute respiratory viral infections in children.</li> <li>• Bronchitis in children.</li> <li>• Community-acquired pneumonia in children.</li> <li>• Peptic ulcer disease of the stomach and duodenum.</li> <li>• Biliary dyskinesia in children. Cholecystitis.</li> <li>• Chronic kidney disease. Prevention of cystitis and pyelonephritis in children.</li> <li>• Urinary tract infections in children.</li> <li>• Type 1 diabetes mellitus in children (early diagnosis and outpatient management).</li> </ul>	13	A- type - 10 F- type - 3
4	<p><b>Surgical Diseases in General Medical Practice</b></p> <ul style="list-style-type: none"> <li>• Panaricium , paronychia, purulent tenosynovitis, pandactylitis. Surgical soft tissue infections (early diagnosis and outpatient management).</li> <li>• Fractures of the upper and lower extremities.</li> <li>• Eye injuries. Foreign bodies of the conjunctiva and cornea. Eye contusions (early diagnosis and outpatient management).</li> <li>• Foreign bodies of the pharynx. Foreign bodies of the external auditory canal. Foreign bodies of the nasal cavity (early diagnosis and outpatient management).</li> <li>• Acute urinary retention (early diagnosis and outpatient management).</li> </ul>	6	6

5	<b>Obstetrics and Gynecology in General Medical Practice</b> <ul style="list-style-type: none"> <li>• Management of physiological pregnancy and childbirth.</li> <li>• Early toxicosis.</li> <li>• Gestational arterial hypertension.</li> </ul>	13	A- type -10 F- type - 3
8	<b>Infectious Diseases in General Medical Practice</b>  <b>Organization of the Infectious Disease Service of the Republic of Kazakhstan:</b> <ul style="list-style-type: none"> <li>• Measles, rubella, pertussis, diphtheria, mumps infection.</li> <li>• Influenza, ARVI</li> <li>• Salmonellosis.</li> <li>• Dysentery.</li> <li>• Streptococcal diseases (tonsillitis, scarlet fever, erysipelas).</li> <li>•</li> </ul>	7	7
9	<b>Dermatovenereology in General Medical Practice</b> <ul style="list-style-type: none"> <li>• Staphylodermas (folliculitis, furuncle, hidradenitis) (early diagnosis and outpatient management).</li> <li>• Psoriasis (early diagnosis and outpatient management).</li> <li>• Syphilis (primary, secondary, tertiary) (early diagnosis and outpatient management).</li> <li>• Gonorrhea (early diagnosis and outpatient management).</li> </ul>	5	5
10	<b>Neurology in General Medical Practice</b> <ul style="list-style-type: none"> <li>• Acute cerebrovascular accident (early diagnosis and outpatient management).</li> <li>• Chronic cerebrovascular insufficiency (early diagnosis and outpatient management).</li> </ul>	6	6
11	<b>Phthisiology in General Medical Practice</b> <ul style="list-style-type: none"> <li>• Primary tuberculosis, diagnostic algorithm for suspected tuberculosis.</li> </ul>	6	6
12	<b>Psychiatry and Addiction Medicine in General Medical Practice</b> <ul style="list-style-type: none"> <li>• Depression.</li> <li>• Dementia.</li> </ul>	5	5
13	<b>Oncology in General Medical Practice</b> <ul style="list-style-type: none"> <li>• Lung cancer. Screening.</li> <li>• Gastric cancer. Early detection.</li> </ul>	6	6

	<ul style="list-style-type: none"> <li>• Intestinal cancer. Colorectal cancer screening.</li> <li>• Female reproductive system cancers. Cervical cancer screening.</li> <li>• Breast cancer. Screening.</li> </ul>		
14	<b>Clinical Pharmacology in General Practice</b> <ul style="list-style-type: none"> <li>• Rational prescribing of medications, including principles of rational antibiotic therapy.</li> </ul>	5	5
15	Emergency Medical Care at the PHC Level	10	10
	<b>OVERALL</b>	100	100

### Specification of Situational Tasks (Case Testing)

№	Topic Title	Weight (%)	Number of Tasks
1.	Provision of emergency medical care for various types of shock at the PHC level (anaphylactic, hemorrhagic, traumatic) in adults and children	20	1
2.	Provision of emergency medical care for acute surgical conditions at the PHC level (adults and children)	20	1
3.	Provision of emergency medical care for acute cardiovascular and respiratory conditions, and acute metabolic disorders (diabetic comas) at the PHC level (adults and children)	20	1
4.	Provision of medical care to children with acute infectious diseases at the PHC level (according to the IMCI program)	20	1
5.	Provision of medical care to pregnant women at the PHC level (preeclampsia, eclampsia)	20	1
	<b>OVERALL</b>	<b>100</b>	<b>5</b>