

Specifications for the Assessment of Professional Training of Graduates

Intended examinee population:	Graduates
Educational Program:	Internship
Specialty:	General Medical Practice (6th year)
Aim:	Evaluation of the achievements of the final learning outcomes of educational programs' graduates
Assessment Format:	Stage 1: Knowledge assessment (computer testing) 150 test questions (MCQ A-, F-type) Duration: 180 minutes (without break) Threshold level: 50% (75 points) Stage 2: Assessment of skills using computer and simulation technologies in solving situational problems (case testing): Number of situational tasks - 5, Duration: 90 minutes Threshold level: 50% (50 points)

No.	Name of sections, subsections	Weight in %	Number of test questions
1	General questions - 16		
1.1	Cellular and molecular mechanisms of diseases		2
1.2	<ul style="list-style-type: none"> ● Epidemiology and the study of epidemic processes ● Sanitary and anti-epidemic measures 		2
1.3	Immunoprophylaxis		2
1.4	Biostatistics		2
1.5	Demographics and health of the population		2
1.6	<ul style="list-style-type: none"> ● Medical ethics, deontology, and legal issues ● Psychology, communication, and leadership in medicine ● Patient-centered practice ● Working with families and communities ● Disease prevention and family health 		2
1.7	Screening tests in Kazakhstan for early detection of diseases, target groups		2
1.8	Medical care in Kazakhstan under the Guaranteed Volume of Free Medical Care and Compulsory Social Health Insurance		2
2	Respiratory system - 15		
2.1	Morphology		2
2.2	Pathophysiology and pathomorphology		2
2.3	Clinical presentation		3
2.4	Diagnosis, differential diagnosis		3
2.5	Administration and treatment tactics		A-0 F-3
2.6	Prevention and rehabilitation		2
3	Cardiovascular system - 20		
3.1	Morphology		2
3.2	Pathophysiology and pathomorphology		2
3.3	Clinical presentation		5
3.4	Diagnosis, differential diagnosis		4
3.5	Administration and treatment tactics		A-2 F-3
3.6	Prevention and rehabilitation		2
4	Digestive system - 27		
4.1	Morphology		2
4.2	Pathophysiology and pathomorphology		2
4.3	Clinical presentation		7
4.4	Diagnosis, differential diagnosis		7
4.5	Administration and treatment tactics		A-4

			F-3
4.6	Prevention and rehabilitation		2
5	Urinary system - 12		
5.1	Morphology		1
5.2	Pathophysiology and pathomorphology		1
5.3	Clinical presentation		3
5.4	Diagnosis, differential diagnosis		3
5.5	Administration and treatment tactics		3
5.6	Prevention and rehabilitation		1
6	Endocrine system - 9		
6.1	Morphology		1
6.2	Pathophysiology and pathomorphology		1
6.3	Clinical presentation		2
6.4	Diagnosis, differential diagnosis		2
6.5	Administration and treatment tactics		2
6.6	Prevention and rehabilitation		1
7	Nervous system - 9		
7.1	Morphology		1
7.2	Pathophysiology and pathomorphology		1
7.3	Clinical presentation		2
7.4	Diagnosis, differential diagnosis		2
7.5	Administration and treatment tactics		2
7.6	Prevention and rehabilitation		1
8	Hematological system - 9		
8.1	Morphology		1
8.2	Pathophysiology and pathomorphology		1
8.3	Clinical presentation		2
8.4	Diagnosis, differential diagnosis		2
8.5	Administration and treatment tactics		2
8.6	Prevention and rehabilitation		1
9	Musculoskeletal system - 9		
9.1	Morphology		1
9.2	Pathophysiology and pathomorphology		1
9.3	Clinical presentation		2
9.4	Diagnostics, differential diagnostics		2
9.5	Administration and treatment tactics		2
9.6	Prevention and rehabilitation		1
10	Oncological diseases at the primary health care level - 10		
10.1	Pathology		1
10.2	Breast cancer		1
10.3	Cervical cancer		1
10.4	Colorectal cancer. Screening for colorectal cancer		1
10.5	Lung cancer. Screening		1
10.6	Esophageal cancer. Screening		1
10.7	Stomach cancer. Screening		1
10.8	Liver cancer. Screening		1
10.9	Rehabilitation		1
10.10	Palliative care		1
11	General child health and development - 7		
11.1	Physiology		1

11.2	Mental Health		1
11.3	Assessment and introduction of the newborn		1
11.4	Pathomorphology and pathophysiology		1
11.5	Diagnosis, differential diagnosis		1
11.6	Administration tactics, treatment tactics		1
11.7	Prevention and rehabilitation		1
12	Zoonotic and particularly dangerous infections – 4		
12.1	Pathophysiology and pathomorphology		1
12.2	Clinical		1
12.3	Diagnosis, differential diagnosis		1
12.4	Administration tactics		1
13	Post-vaccination complications -1		
	<ul style="list-style-type: none"> • Physiology. Pathophysiology and pathomorphology • Clinical • Diagnosis • Administration tactics 		
14	Emergency conditions (HIV infection) - 2		
14.1	Pathology. Clinical presentation		1
14.2	Diagnosis. Prevention		1
	Total		150

Specification of situational tasks (case testing)

Nº	Topic	Weight, in %	Number of tasks
1.	Providing emergency medical care to children with various types of shock at the primary health care level (anaphylactic, hemorrhagic, traumatic, burn) (adults and children)	20	1
2.	Provision of emergency medical care for acute surgical conditions at the primary health care level (adults and children)	20	1
3.	Provision of emergency medical care for acute cardiovascular and respiratory conditions, acute metabolic disorders at the primary health care level (adults and children)	20	1
4.	Provision of medical care to children with acute infectious diseases at the primary health care level (according to the IMCI program)	20	1
5.	Provision of medical care to pregnant women at the primary health care level	20	1
	Total	100	5