

<p>ONTÜSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ</p>	<p>SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»</p>
<p>Department of "Medical Biophysics and Information Technology"</p>	<p>35-11-2025 p.1 out of 4</p>
<p>Questions of the program for the second midterm control</p>	

Questions of the program for the second midterm control

Course: Information and communication technology

Course code: ICT 1105

EP:

6B10115 Medicine.

6B10116 Pediatrics

6B10117 Stomatology

6B10104 Nursing

6B10111 Public health

6B10106 Pharmacy

6B07201 Pharmaceutical manufacturing technology

6B10118 Medical and preventive care

Number of academic hours/credits: 90/3

Year/Term: 1/1,2

Implementators

ass.professor PhD Ivanova Marina Borisovna
PhD. Berdiyeva Meruyert Aimambetovna

Head of department: PhD, acting ass.prof. Ivanova M.B.


Departmental discussion on « 28 » 05 2025

Record of meeting № 124


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Questions of the program for the second midterm control

1. Means for processing demonstration information. Introduction to MS PowerPoint.
2. MS PowerPoint: main functions and capability program for creating report, article, etc.
3. MS PowerPoint: creating, editing presentation.
4. Design and creation of the presentations of lecture material, scientific reports, etc.
5. Creating of presentations, entering text on a slide.
6. Adding of pictures and clip art, adding of hyperlinks, animations and sound effects
7. Internet technology. E-mail.
8. History of the Internet development.
9. Basic Internet concepts.
10. Operating with mails: attach files, send and receive emails.
11. Cloud technology.
12. Essence of cloud technology.
13. History of cloud services.
14. Main definitions and models of cloud computing.
15. General properties of Cloud Computing.
16. Mobile technology.
17. Overview mobile technologies.
18. Brief history of mobile technologies development.
19. Mobile operating systems.
20. Software for mobile devices.
21. Problems and perspectives of mobile technologies.
22. Social aspects of mobile technologies.
23. Threats to information security and their classifications.
24. Industry of cybersecurity.
25. Security risks of information and their classification.
26. Standards and specifications in information security field.
27. Measures and means of information protection.
28. Antivirus software. Archiving utility.
29. Malware and there classification.
30. Methods of prevention and protection against computer viruses.
31. Archiving utilities and there classification.
32. E-services.
33. E-technology.
34. E-business: basic models of e-business.
35. E-training: architecture, structure and platform.
36. E-government. E-signature.
37. Multimedia technology.
38. The basic concepts of multimedia.
39. Multimedia capabilities.
40. Media terminology.

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41. Classification of multimedia.
42. Use of multimedia technologies in medicine.
43. Properties for SMART technology.
44. The concept of “intelligent” city.
45. Artificial intelligence.
46. Green technology ICT.
47. Teleconferences.
48. Telemedicine.
49. Information technology in the professional sphere (medicine, healthcare)
50. Software for solving problems of specialized professional sphere.
51. Modern IT trends in the professional sphere.
52. Security in industrial information and communication technology.
53. Introduction to STATISTICA10.
54. Installation and use of application programs in the professional sphere.
55. Processing of numerical information, creating, and editing formulas STATISTICA10.
56. Setting documents appearance and working with charts in STATISTICA10.
57. Working with charts for presentation medical information in STATISTICA10.
58. Development prospects in the IT sectors in the market: the development of free software.
59. The formation of the IT ecosystem entrepreneurship and support for small startups.
60. Prospects for the development of E-technologies.
61. Basic concepts of AI.
62. Studying different AI tools and platforms.
63. Practical use of various tools and platforms for working with AI.
64. Introduction to Large Language Models (LLM).
65. Using LLMs for text generation and summarization.
66. Comparing the functionality and effectiveness of various artificial intelligence tools and platforms.
67. Fundamentals of AI research. History and development of AI.
68. Ethical Considerations in AI Knowledge representation models
69. Studying recent articles and publications on the latest achievements in artificial intelligence.
70. Large Language Introduction to AI tools. Generative AI tools. Studying recent articles and publications on the latest achievements in artificial intelligence.

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