

Test questions

1. Information. Properties and types of information.
2. Data, method. Data operations.
3. Methods and means of informatization in medicine and health care.
4. Computer graphics.
5. Resolution and size of the image. Color models.
6. Formats of graphic files.
7. Modeling. Model. Elements of the modeling process. Stages of the modeling process. Stages of the modeling process.
8. Types of models. Classification of models relative to the carrier. Modeling. Tool. Technology. Wednesday.
9. Gene networks as an object of modeling. Methods for modeling gene networks and their classification. Problems of mathematical modeling of gene networks.
10. Generalized chemical-kinetic modeling method. Formal description of mathematical and computer models of gene networks
11. Gene networks as an object of research. The main elements of the gene network. Boolean networks.
12. Specificity of the object of modeling. Construction of graphical models of gene networks.
13. Methodology of modeling in OKHKMM. Formalization in UHKMM
14. Verification of the parameters of mathematical models of the dynamics of gene networks. Main problems.
15. Computer networks. Classification of computer networks. Types of transmission media.
16. Internet addressing. Protocols. TCP / IP protocols.
17. Email. Browsers. Browser window interface elements.
18. Search engines. Search types.
19. Medical library systems. Internet resources in medicine.
20. Distance learning. Telemedicine concept.
21. Medical informatics. Information Systems. IIA classification. Basic principles of building MIS.
22. Subsystem Stationary.
23. Subsystem of the Clinic.
24. Subsystem Diagnostic services. Module Laboratory.
25. MIS at the level of health care facilities.
26. Medical and technological systems for monitoring and controlling body functions.
27. AWP of the doctor of the medical department (basic functions and principles of work).
28. MIS resuscitation and intensive care.
29. MIS diagnostic services.
30. MIS at the territorial and federal levels.
31. Security. Security objectives. Breach of confidentiality.
32. Means of security. Functions of the security subsystem.
33. Stages of building a security system. Security methods and means.
34. Encryption of information. Electronic digital signature.
35. Medical information. The main methods of entering information into the database.
36. Electronic document. Electronic document management.
37. Mandatory sections of the electronic document.
38. Ways of storing ED. Documentation levels.
39. Database. Database management system. Types of databases. Subject area. Information system.
40. Database objects. Modes for creating database objects (3 modes, briefly describe).

41. Relational databases. Create and modify relationships between tables. Two methods of maintaining link integrity (cascading update and cascading delete).
42. Creating tables in the database. Field and table record. Setting field properties.
43. The concept of an input mask in the database. Lookup field (definition and meaning). Key. Key types.
44. Modes for creating forms and reports in MS Access.
45. Request. QBE request by sample. SQL queries. Modes of creating queries in MS Access.
46. Spreadsheet. Cell. Spreadsheet workspace. Excel workbook. Excel sheet. Range of cells. Relative and absolute links. Formula. Entering formulas into a cell.
47. Functions in MS Excel. Arguments and function syntax. Classification of functions. Function wizard. Graphs and charts in MS Excel. Diagram wizard. Editing and formatting graphs and charts.
48. Environment package Excel: built-in program (macro) that performs the search for the best parameters, the optimization procedure "Search for a solution" and the Analysis package.
49. Presentations. Types of presentation. Stages of creating a presentation. The main elements of the Power Point program interface. Slide view modes in MS Power Point.
50. Ways to create a presentation. List and briefly describe. Working with slides (adding, deleting, changing the order of slides, changing the layout of the slide).
51. MS Word. Create, edit and format a document. Application window interface elements.
52. Creating, editing tables in MS Word. Table design rules.
53. Page layout. Basic page parameters. Tabs in text and tables.
54. The process of adding a formula and flowchart to a text document.