

Kafedranın adı: Riyazi kibernetika

Fənnin adı: Diskret riyaziyyat

Kurs: I

Bölmə: İngilis

Bakalavriat
Müəllim Məstəliyev Rəşad

IMTAHAN SUALLARI

1. Elements of combinatorics
2. Elementary boolean functions
3. Boolean functions and their properties
4. Equivalence of formulas
5. Principle of duality
6. Disjunction expansion of boolean functions in variables
7. Perfect disjunctive normal formula (PDFNF)
8. Conjunction expansion of boolean functions in variables
9. Perfect conjunction normal formula (PCNF)
10. Zhegalkin polynomial, Polynomial normal formula
11. Completeness and closedness of the system of boolean functions
12. The most important closed classes
13. Functional completeness theorem
14. Derivatives of boolean functions
15. Some properties of derivative of boolean functions
16. Taylor formula for boolean functions
17. Disjunctive normal forms for boolean functions(DNF)
18. Minimum and shortest DNF
19. k-valued logic
20. Elementary functions of k-valued logic

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