**ALGEBRA VA ANALIZ ASOSLARI**

**( haftasiga 3 soatdan, jami 102 soat )**

**X SINF**

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| **Darslar tartibi** | **Mavzu nomi** | | **Soat** | **Taqvimiy muddat** |
|  |  | **I CHORAK** | |  |
| 1-dars | To‘plam tushunchasi,  to‘ldiruvchi to‘plam | to‘plamlar ustida amallar; | 1 |  |
| 2-dars | To‘plam tushunchasi,  to‘ldiruvchi to‘plam | to‘plamlar ustida amallar; | 1 |  |
| 3-dars | To‘plam tushunchasi,  to‘ldiruvchi to‘plam | to‘plamlar ustida amallar; | 1 |  |
| 4-dars | To‘plam tushunchasi,  to‘ldiruvchi to‘plam | to‘plamlar ustida amallar; | 1 |  |
| 5-dars | Mulohazalar. Inkor, kon’yuksiya va diz’yunksiya | | 1 |  |
| 6-dars | Mulohazalar. Inkor, kon’yuksiya va diz’yunksiya | | 1 |  |
| 7-dars | Mulohazalar. Inkor, kon’yuksiya va diz’yunksiya | | 1 |  |
| 8-dars | Mantiqiy teng kuchlilik; mantiqiy qonunlar | | 1 |  |
| 9-dars | Mantiqiy teng kuchlilik; mantiqiy qonunlar | | 1 |  |
| 10-dars | Implikasiya, konversiya, inversiya va kontrapozisiya | | 1 |  |
| 11-dars | Implikasiya, konversiya, inversiya va kontrapozisiya | | 1 |  |
| 12-dars | Predikatlar va kvantorlar | | 1 |  |
| 13-dars | Predikatlar va kvantorlar | | 1 |  |
| 14-dars | To‘g‘ri fikr yuritish (argumentatsiya) qonunlari; paradokslar va sofizmlar | | 1 |  |
| 15-dars | To‘g‘ri fikr yuritish (argumentatsiya) qonunlari; paradokslar va sofizmlar | | 1 |  |
| 16-dars | Masalalar yechish | | 1 |  |
| 17-dars | Masalalar yechish | | 1 |  |
| 18-dars | Masalalar yechish | | 1 |  |
| 19-dars | **1-Nazorat ishi** | | 1 |  |
| 20-dars | Sodda foizlar, murakkab foizlar | | 1 |  |
| 21-dars | Sodda foizlar, murakkab foizlar | | 1 |  |
| 22-dars | Sodda foizlar, murakkab foizlar | | 1 |  |
| 23-dars | Masalalar yechish | | 1 |  |
| 24-dars | Masalalar yechish | | 1 |  |
| 25-dars | Masalalar yechish | | 1 |  |
| 26-dars | **2-Nazorat ishi** | | 1 |  |
| 27-dars | Sodda ratsional tenglamalar va ularning sistemalari | | 1 |  |
| 28-dars | Sodda ratsional tenglamalar va ularning sistemalari | | 1 |  |

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| **II CHORAK** | | | | | |
| 29-dars | Sodda ratsional tenglamalar va ularning sistemalari | | | 1 |  |
| 30-dars | Sodda ratsional tenglamalar va ularning sistemalari | | | 1 |  |
| 31-dars | Sodda irratsional tenglamalar va ularning sistemalari | | | 1 |  |
| 32-dars | Sodda irratsional tenglamalar va ularning sistemalari | | | 1 |  |
| 33-dars | Sodda irratsional tenglamalar va ularning sistemalari | | | 1 |  |
| 34-dars | Sodda irratsional tenglamalar va ularning sistemalari | | | 1 |  |
| 35-dars | Sodda ko‘rsatkichli tenglamalar sistemalari | va | ularning | 1 |  |
| 36-dars | Sodda ko‘rsatkichli tenglamalar sistemalari | va | ularning | 1 |  |
| 37-dars | Sodda ko‘rsatkichli tenglamalar sistemalari | va | ularning | 1 |  |
| 38-dars | Sodda ko‘rsatkichli tenglamalar sistemalari | va | ularning | 1 |  |
| 39-dars | Tenglamalarni taqribiy yechish |  |  | 1 |  |
| 40-dars | Tenglamalarni taqribiy yechish |  |  | 1 |  |
| 41-dars | Sodda ratsional tengsizliklar va ularning sistemalari | | | 1 |  |
| 42-dars | Sodda ratsional tengsizliklar va ularning sistemalari | | | 1 |  |
| 43-dars | Sodda ratsional tengsizliklar va ularning sistemalari | | | 1 |  |
| 44-dars | Sodda irratsional tengsizliklar | | | 1 |  |
| 45-dars | Sodda irratsional tengsizliklar | | | 1 |  |
| 46-dars | Masalalar yechish | | | 1 |  |
| 47-dars | **3-Nazorat ishi** | | | 1 |  |
| **III CHORAK** | | | | | |
| 48-dars | Masalalar yechish | | | 1 |  |
| 49-dars | Masalalar yechish | | | 1 |  |
| 50-dars | Munosabatlar va akslantirishlar; funksiya | | | 1 |  |
| 51-dars | Munosabatlar va akslantirishlar; funksiya | | | 1 |  |
| 52-dars | Munosabatlar va akslantirishlar; funksiya | | | 1 |  |
| 53-dars | Elementar funksiyalar monotonligi, eng katta va eng kichik qiymatlari haqida tushuncha | | | 1 |  |
| 54-dars | Elementar funksiyalar monotonligi, eng katta va eng kichik qiymatlari haqida tushuncha | | | 1 |  |
| 55-dars | Chiziqli va kvadratik modellar | | | 1 |  |

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| 56-dars | Chiziqli va kvadratik modellar |  |  | 1 |  |
| 57-dars | Chiziqli va kvadratik modellar |  |  | 1 |  |
| 58-dars | **4-Nazorati shi** |  |  | 1 |  |
| 59-dars | Davriy jarayonlar va ularni kuzatish |  |  | 1 |  |
| 60-dars | funksiyalari yordamida modellashtirish | va | ular | 1 |  |
| 61-dars | funksiyalari yordamida modellashtirish | va | ular | 1 |  |
| 62-dars | funksiyalari yordamida modellashtirish | va | ular | 1 |  |
| 63-dars | Eng sodda trigonometrik tenglamalar |  |  | 1 |  |
| 64-dars | Eng sodda trigonometrik tenglamalar |  |  | 1 |  |
| 65-dars | Eng sodda trigonometrik tenglamalar |  |  | 1 |  |
| 66-dars | Eng sodda trigonometrik tengsizliklar |  |  | 1 |  |
| 67-dars | Eng sodda trigonometrik tengsizliklar |  |  | 1 |  |
| 68-dars | Eng sodda trigonometrik tengsizliklar |  |  | 1 |  |
| 69-dars | Masalalar yechish |  |  | 1 |  |
| 70-dars | Masalalar yechish |  |  | 1 |  |
| 71-dars | Masalalar yechish |  |  | 1 |  |
| 72-dars | **5-Nazorat ishi** |  |  | 1 |  |
| 73-dars | Grafiklarni almashtirish |  |  | 1 |  |
| 74-dars | Parametrik ko‘rinishda berilgan sodda grafiklari | funksiyalar | | 1 |  |
| 75-dars | Parametrik ko‘rinishda berilgan sodda grafiklari | funksiyalar | | 1 |  |
| 76-dars | Ko‘rsatkichli funksiya va uning grafigi |  | | 1 |  |
| 77-dars | Bevosita yechiladigan ko‘rsatkichli tenglamalar va tengsizliklar | | | 1 |  |
| 78-dars | Bevosita yechiladigan ko‘rsatkichli tenglamalar va tengsizliklar | | | 1 |  |
| **IV CHORAK** | | | | | |
| 79-dars | Bevosita yechiladigan ko‘rsatkichli tenglamalar va tengsizliklar | | | 1 |  |
| 80-dars | **6-Nazorat ishi** | | | 1 |  |
| 81-dars | Logarifm haqida tushuncha. Logarifmik funksiya. Eng sodda logarifmik tenglama va tengsizliklar | | | 1 |  |
| 82-dars | Logarifm haqida tushuncha. Logarifmik funksiya. Eng sodda logarifmik tenglama va tengsizliklar | | | 1 |  |
| 83-dars | Logarifm haqida tushuncha. Logarifmik funksiya. Eng sodda logarifmik tenglama va tengsizliklar | | | 1 |  |
| 84-dars | Logarifm haqida tushuncha. Logarifmik funksiya. Eng sodda logarifmik tenglama va tengsizliklar | | | 1 |  |
| 85-dars | Ko‘rsatkichli va logarifmik funksiyalar yordamida modellashtirish | | | 1 |  |

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| 86-dars | Ko‘rsatkichli va logarifmik funksiyalar yordamida modellashtirish | | 1 |  |
| 87-dars | Ko‘rsatkichli va log modellashtirish | arifmik funksiyalar yordamida | 1 |  |
| 88-dars | Masalalar yechish |  | 1 |  |
| 89-dars | Masalalar yechish |  | 1 |  |
| 90-dars | Masalalar yechish |  | 1 |  |
| 91-dars | Masalalar yechish |  | 1 |  |
| 92-dars | **7-Nazorat ishi** |  | 1 |  |
| 93-dars | Kompleks sonlar va  sonni tasvirlash | ular ustida amallar. Kompleks | 1 |  |
| 94-dars | Kompleks sonlar va  sonni tasvirlash | ular ustida amallar. Kompleks | 1 |  |
| 95-dars | larda  ko‘rinishdagi komplek | s sonlar | 1 |  |
| 96-dars | Trigonometrik shaklda berilgan kompleks sonlarning ko‘paytmasi va bo‘linmasi | | 1 |  |
| 97-dars | Trigonometrik shaklda berilgan kompleks sonlarning ko‘paytmasi va bo‘linmasi | | 1 |  |
| 98-dars | Kompleks sondan kvadrat ildiz chiqarish | | 1 |  |
| 99-dars | Masalalar yechish | | 1 |  |
| 100-dars | Masalalar yechish | | 1 |  |
| 101-dars | Masalalaryechish | | 1 |  |
| 102-dars | **8-Nazoratishi** | | 1 |  |