**ALGEBRA VA MATEMATIK ANALIZ ASOSLARI**

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

**XI SINF**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Darslar tartibi** | **Mavzu nomi** | | | | **Soat** | **Taqvimiy muddat** |
|  | **I CHORAK** | | | | |  |
| 1-dars | O‘zgaruvchi miqdorlar orttirmalarining nisbati va  uning ma’nosi. Urinma ta’rifi. Funksiya orttirmasi | | | | 1 |  |
| 2-dars | O‘zgaruvchi miqdorlar orttirmalarining nisbati va  uning ma’nosi. Urinma ta’rifi. Funksiya orttirmasi | | | | 1 |  |
| 3-dars | Limit haqida tushuncha | |  |  | 1 |  |
| 4-dars | Limit haqida tushuncha | |  |  | 1 |  |
| 5-dars | Hosila, uning geometrik va fizik ma’nosi | |  |  | 1 |  |
| 6-dars | Hosila, uning geometrik va fizik ma’nosi | |  |  | 1 |  |
| 7-dars | Hosilani hisoblash qoidalari | |  |  | 1 |  |
| 8-dars | Hosilani hisoblash qoidalari | |  |  | 1 |  |
| 9-dars | Hosilani hisoblash qoidalari | |  |  | 1 |  |
| 10-dars | Murakkab funksiyaning hosilasi | |  |  | 1 |  |
| 11-dars | Murakkab funksiyaning hosilasi | |  |  | 1 |  |
| 12-dars | Murakkab funksiyaning hosilasi | |  |  | 1 |  |
| 13-dars | Funksiya grafigiga tenglamalari | o‘tkazilgan urinma | va | normal | 1 |  |
| 14-dars | Funksiya grafigiga tenglamalari | o‘tkazilgan urinma | va | normal | 1 |  |
| 15-dars | **1-Nazorat ishi** |  |  |  | 1 |  |
| 16-dars | Masalalar yechish |  |  |  | 1 |  |
| 17-dars | Masalalar yechish |  |  |  | 1 |  |
| 18-dars | Masalalar yechish |  |  |  | 1 |  |
| 19-dars | Hosila yordamida funksiyani tekshirish va grafiklarni yasash | | | | 1 |  |
| 20-dars | Hosila yordamida funksiyani tekshirish va grafiklarni yasash | | | | 1 |  |
| 21-dars | Hosila yordamida funksiyani tekshirish va grafiklarni yasash | | | | 1 |  |
| 22-dars | Hosila yordamida funksiyani tekshirish va grafiklarni yasash | | | | 1 |  |
| 23-dars | **2-Nazorat ishi** | | | | 1 |  |
| 24-dars | Geometrik, fizik, iqtisodiy mazmunli ekstremal  masalalarni yechishda differensial hisob usullari | | | | 1 |  |
| 25-dars | Geometrik, fizik, iqtisodiy mazmunli ekstremal  masalalarni yechishda differensial hisob usullari | | | | 1 |  |
| 26-dars | Geometrik, fizik, iqtisodiy mazmunli ekstremal  masalalarni yechishda differensial hisob usullari | | | | 1 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 27-dars | Geometrik, fizik, iqtisodiy mazmunli ekstremal  masalalarni yechishda differensial hisob usullari | | | | | 1 |  |
| 28-dars | Taqribiy hisoblashlar | | | |  | 1 |  |
| **II CHORAK** | | | | |  | | |
| 29-dars | Taqribiy hisoblashlar | | | |  | 1 |  |
| 30-dars | Taqribiy hisoblashlar | | | |  | 1 |  |
| 31-dars | Hosila yordamida modellashtirish | | | |  | 1 |  |
| 32-dars | Hosila yordamida modellashtirish | | | |  | 1 |  |
| 33-dars | Hosila yordamida modellashtirish | | | |  | 1 |  |
| 34-dars | Hosila yordamida modellashtirish | | | |  | 1 |  |
| 35-dars | **3-Nazorat ishi** | |  | |  | 1 |  |
| 36-dars | Masalalar yechish | |  | |  | 1 |  |
| 37-dars | Masalalar yechish | |  | |  | 1 |  |
| 38-dars | Masalalar yechish | |  | |  | 1 |  |
| 39-dars | Masalalar yechish | |  | |  | 1 |  |
| 40-dars | Boshlang‘ich funksiya tushunchalari | | va aniqmas | | integral | 1 |  |
| 41-dars | Boshlang‘ich funksiya tushunchalari | | va aniqmas | | integral | 1 |  |
| 42-dars | Boshlang‘ich funksiya tushunchalari | | va aniqmas | | integral | 1 |  |
| 43-dars | Integrallar qoidalari | jadvali. Integrallashning | | eng | sodda | 1 |  |
| 44-dars | Integrallar qoidalari | jadvali. Integrallashning | | eng | sodda | 1 |  |
| 45-dars | Integrallar qoidalari | jadvali. Integrallashning | | eng | sodda | 1 |  |
| 46-dars | Integrallar qoidalari | jadvali. Integrallashning | | eng | sodda | 1 |  |
| 47-dars | Aniq integral. Nyuton–leybnis formulasi | | | |  | 1 |  |
| **III CHORAK** | | | | |  | | |
| 48-dars | Aniq integral. Nyuton–leybnis formulasi | | | |  | 1 |  |
| 49-dars | Aniq integral. Nyuton–leybnis formulasi | | | |  | 1 |  |
| 50-dars | **4-Nazorat ishi** | | | |  | 1 |  |
| 51-dars | Masalalar yechish | | | |  | 1 |  |
| 52-dars | Aniq integralning tatbiqlari | | | |  | 1 |  |
| 53-dars | Aniq integralning tatbiqlari | | | |  | 1 |  |
| 54-dars | Aniq integralning tatbiqlari | | | |  | 1 |  |
| 55-dars | Aniq integralning tatbiqlari | | | |  | 1 |  |
| 56-dars | Taqribiy integrallash | | | |  | 1 |  |
| 57-dars | Masalalar yechish | | | |  | 1 |  |
| 58-dars | Masalalar yechish | | | |  | 1 |  |
| 59-dars | Masalalar yechish | | | |  | 1 |  |
| 60-dars | Masalalar yechish | | | |  | 1 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 61-dars | Masalalar yechish | | 1 |  |
| 62-dars | **5-Nazorat ishi** | | 1 |  |
| 63-dars | Nazorat ishi tahlili, xatolar ustida ishlash | | 1 |  |
| 64-dars | Kombinatorika masalalari | | 1 |  |
| 65-dars | Kombinatorika masalalari | | 1 |  |
| 66-dars | Nyuton binomi | | 1 |  |
| 67-dars | Nyuton binomi | | 1 |  |
| 68-dars | Statistik ma’lumotlar. statistik ma’lumotlarning turli ko‘rinishlari | | 1 |  |
| 69-dars | Statistik ma’lumotlar. statistik ma’lumotlarning turli ko‘rinishlari | | 1 |  |
| 70-dars | Statistik ma’lumotlar. statistik ma’lumotlarning turli ko‘rinishlari | | 1 |  |
| 71-dars | O‘rta qiymat, moda va mediana. Chetlashish, standart chetlashish | | 1 |  |
| 72-dars | O‘rta qiymat, moda va mediana. Chetlashish, standart chetlashish | | 1 |  |
| 73-dars | O‘rta qiymat, moda va mediana. Chetlashish, s chetlashish | tandart | 1 |  |
| 74-dars | Ikkita tur ma’lumotlar o‘rtasida bog‘liqlikni  qilish | tadqiq | 1 |  |
| 75-dars | Ikkita tur ma’lumotlar o‘rtasida bog‘liqlikni  qilish | tadqiq | 1 |  |
| 76-dars | Ikkita tur ma’lumotlar o‘rtasida bog‘liqlikni  qilish | tadqiq | 1 |  |
| 77-dars | **6-Nazorat ishi** |  | 1 |  |
| 78-dars | Nazorat ishi tahlili, xatolar ustida ishlash |  | 1 |  |
| **IV CHORAK** | |  | | |
| 79-dars | Tasodifiy hodisalar va ularning ehtimolligi tushuncha | haqida | 1 |  |
| 80-dars | Tasodifiy hodisalar va ularning ehtimolligi tushuncha | haqida | 1 |  |
| 81-dars | Qarama-qarshi hodisa. Hodisalar ustida amallar va ularni Eyler-Venn diagrammalarda tasvirlash | | 1 |  |
| 82-dars | Qarama-qarshi hodisa. Hodisalar ustida amallar va ularni Eyler-Venn diagrammalarda tasvirlash | | 1 |  |
| 83-dars | Ehtimolliklarni qo‘shish va ko‘paytirish, sodda  hodisalarning ehtimolliklarni hisoblash usullari | | 1 |  |
| 84-dars | Ehtimolliklarni qo‘shish va ko‘paytirish, sodda  hodisalarning ehtimolliklarni hisoblash usullari | | 1 |  |
| 85-dars | Ehtimolliklarni qo‘shish va ko‘paytirish, sodda  hodisalarning ehtimolliklarni hisoblash usullari | | 1 |  |
| 86-dars | Binomial va normal taqsimot haqida tushuncha | | 1 |  |
| 87-dars | Binomial va normal taqsimot haqida tushuncha | | 1 |  |
| 88-dars | Binomial va normal taqsimot haqida tushuncha | | 1 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 89-dars | Binomial va normal taqsimot haqida tushuncha | 1 |  |
| 90-dars | **7-Nazorat ishi** | 1 |  |
| 91-dars | Nazorat ishi tahlili, xatolar ustida ishlash | 1 |  |
| 92-dars | Algebra va analiz asoslari kursini takrorlash | 1 |  |
| 93-dars | Algebra va analiz asoslari kursini takrorlash | 1 |  |
| 94-dars | Algebra va analiz asoslari kursini takrorlash | 1 |  |
| 95-dars | Algebra va analiz asoslari kursini takrorlash | 1 |  |
| 96-dars | Algebra va analiz asoslari kursini takrorlash | 1 |  |
| 97-dars | Algebra va analiz asoslari kursini takrorlash | 1 |  |
| 98-dars | Algebra va analiz asoslari kursini takrorlash | 1 |  |
| 99-dars | Algebra va analiz asoslari kursini takrorlash | 1 |  |
| 100-dars | Loyiha ishi bo‘yicha mashg‘ulot | 1 |  |
| 101-dars | **8-Nazorat ishi** | 1 |  |
| 102-dars | Yakunlovchi dars | 1 |  |