**10-SINF UCHUN FIZIKA FANIDAN YILLIK TAQVIM-MAVZUVIY ISH REJASI**

**(68 soat / haftasiga 2 soatdan)**

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| **№** | **Mavzular** | **Soat** | **Taqvim vaqt** | **O‘tilgan vaqt** | **Uyga vazifa** | **Ko‘rgaz-malar** | **Sahifa** | **Izoh** |
| **I CHORAK – 18 SOAT** |
| **I bob. Kinematika** |
| 1-dars | Fizikaning tadqiqot metodlari | 1 |  |  |  |  |  |  |
| 2-dars | Mexanik harakat turlari. Harakatlarning mustaqillik prinsipi.  | 1 |  |  |  |  |  |  |
| 3-dars | Jismlarning vertikal harakati | 1 |  |  |  |  |  |  |
| 4-dars | Aylana bo‘ylab notekis harakat. Burchak tezlanish. Tangensial tezlanish | 1 |  |  |  |  |  |  |
| 5-dars | Aylanma va ilgarilanma harakatni o‘zaro uzatish | 1 |  |  |  |  |  |  |
| 6-dars | Gorizontal otilgan jismning harakati | 1 |  |  |  |  |  |  |
| 7-dars | Gorizontga qiya otilgan jism harakati | 1 |  |  |  |  |  |  |
| 8-dars | Laboratoriya ishi:№1 Gorizontga qiya otilgan jism harakatini o‘rganish | 1 |  |  |  |  |  |  |
| 9-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 10-dars | 1-NAZORAT ISHI | 1 |  |  |  |  |  |  |
| **II bob. Dinamika** |
| 11-dars | Dinamika qonunlari | 1 |  |  |  |  |  |  |
| 12-dars | Galileyning nisbiylik prinsipi. Inersial va noinersial sanoq sistemalari | 1 |  |  |  |  |  |  |
| 13-dars | Gravitatsion maydonda harakat | 1 |  |  |  |  |  |  |
| 14-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 15-dars | Jism og‘irligining harakat turiga bog‘liqligi | 1 |  |  |  |  |  |  |
| 16-dars | Jismning bir necha kuch ta’siridagi harakati | 1 |  |  |  |  |  |  |
| 17-dars | 2-NAZORAT ISHI | 1 |  |  |  |  |  |  |
| 18-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| **II CHORAK – 14 SOAT** |
| **III bob. Mexanikada saqlanish qonunlari** |
| 19-dars | Energiya va ish. Energiyaning saqlanishi qonuni. Jismning qiya tekislik bo‘ylab harakatlanishida bajarilgan ish | 1 |  |  |  |  |  |  |
| 20-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 21-dars | Laboratoriya ishi: №2 Qiya tekislikda foydali ish koeffitsiyentini aniqlash | 1 |  |  |  |  |  |  |
| 22-dars | Jismlarning absolut elastik va noelastik to‘nashishi | 1 |  |  |  |  |  |  |
| 23-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 24-dars | 3-NAZORAT ISHI | 1 |  |  |  |  |  |  |
| **IV bob. Statika va gidrodinamika** |
| 25-dars | Jismlarning muvozanatda bo‘lish shartlari | 1 |  |  |  |  |  |  |
| 26-dars | Momentlar qoidasiga asoslanib ishlaydigan mexanizmlar | 1 |  |  |  |  |  |  |
| 27-dars | Aylanma harakat dinamikasi | 1 |  |  |  |  |  |  |
| 28-dars | Suyuqlik va gazlar harakati, oqimining uzluksizlik teoremasi. Bernulli tenglamasi | 1 |  |  |  |  |  |  |
| 29-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 30-dars | Harakatlanayotgan gazlar va suyuqliklarda bosimning tezlikka bog‘liqligidan texnikada foydalanish | 1 |  |  |  |  |  |  |
| 31-dars | 4-NAZORAT ISHI  | 1 |  |  |  |  |  |  |
| 32-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| **III CHORAK – 20 SOAT** |
| **V bob. Mexanik tebranishlar va to‘lqinlar** |
| 33-dars | Garmonik tebranishlar | 1 |  |  |  |  |  |  |
| 34-dars | Prujinali va matematik mayatniklar | 1 |  |  |  |  |  |  |
| 35-dars | 3-laboratoriya ishi. Matematik mayatnik yordamida erkin tushish tezlanishini aniqlash | 1 |  |  |  |  |  |  |
| 36-dars | Majburiy tebranishlar. Texnikada rezonans | 1 |  |  |  |  |  |  |
| 37-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 38-dars | Mexanik to‘lqinlarning muhitlarda tarqalishi. Ultra va infratovushlardan turmushda va texnikada foydalanish | 1 |  |  |  |  |  |  |
| 39-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 40-dars | 5-NAZORAT ISHI | 1 |  |  |  |  |  |  |
| **VI bob. Termodinamika asoslari** |
| 41-dars | Issiqlik jarayonlarining qaytmasligi. Termodinamika qonunlari | 1 |  |  |  |  |  |  |
| 42-dars | Adiabatik jarayonlar. Issiqlik mashinalarining FIK. Karno sikli | 1 |  |  |  |  |  |  |
| 43-dars | Inson hayotida issiqlik dvigatellarining ahamiyati. Issiqlik dvigatellari va ekologiya | 1 |  |  |  |  |  |  |
| 44-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| **VII bob. Elektrodinamika** |
| 45-dars | Zaryadning saqlanish qonuni. Nuqtaviy zaryadning maydoni. Elektr maydon kuchlanganligining superpozitsiya prinsipi | 1 |  |  |  |  |  |  |
| 46-dars | Zaryadlangan sharning elektr maydoni. Dielektrik singdiruvchanlik | 1 |  |  |  |  |  |  |
| 47-dars | Nuqtaviy zaryad maydonining potensiali. Potensiallar farqi | 1 |  |  |  |  |  |  |
| 48-dars | Elektrostatik maydonda zaryadni ko‘chirishda bajarilgan ish | 1 |  |  |  |  |  |  |
| 49-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 50-dars | Elektr maydon energiyasi | 1 |  |  |  |  |  |  |
| 51-dars | 6-NAZORAT ISHI | 1 |  |  |  |  |  |  |
| 52-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| **IV CHORAK – 18 SOAT** |
| **VIII bob. O‘zgarmas tok qonunlari** |
| 53-dars | Elektr o‘tkazuvchanlik. Tok kuchining kuchlanishga bog‘liqligi | 1 |  |  |  |  |  |  |
| 54-dars | Tok kuchi va tok zichligi. Elektr tokining ta’sirlari | 1 |  |  |  |  |  |  |
| 55-dars | Butun zanjir uchun Om qonuni. Tok manbaining FIK | 1 |  |  |  |  |  |  |
| 56-dars | Tok manbalarini ketma-ket va parallel ulash | 1 |  |  |  |  |  |  |
| 57-dars | Ampermetr va voltmetrning o‘lchash chegarasini oshirish | 1 |  |  |  |  |  |  |
| 58-dars | 4-laboratoriya ishi. Tok manbaining EYuK va ichki qarshiligini aniqlash | 1 |  |  |  |  |  |  |
| 59-dars | Masalalar yechish | 1 |  |  |  |  |  |  |
| 60-dars | 7-NAZORAT ISHI | 1 |  |  |  |  |  |  |
| **IX bob. Turli muhitlarda elektr toki** |
| 61-dars | Vakuumda elektr toki | 1 |  |  |  |  |  |  |
| 62-dars | Metall o‘tkazgichlar qarshilikligining temperaturaga bog‘liqligi | 1 |  |  |  |  |  |  |
| 63-dars | Yarimo‘tkazgichlarda xususiy o‘tkazuvchanlik. Aralashmali o‘tkazuvchanlik | 1 |  |  |  |  |  |  |
| 64-dars | Yarimo‘tkazgichli asboblar (diod, tranzistor) va ularning texnikada qo‘llanilishi | 1 |  |  |  |  |  |  |
| 65-dars | 5-laboratoriya ishi. Yarim o‘tkazgichli diodning volt-amper xarakteristikasini o‘rganish | 1 |  |  |  |  |  |  |
| 66-dars | Takrorlash | 1 |  |  |  |  |  |  |
| 67-dars | 8-NAZORAT ISHI | 1 |  |  |  |  |  |  |
| 68-dars | O‘quv sayohati | 1 |  |  |  |  |  |  |