

Umumta'lim maktabning 2024-2025 o'quv yili 8-sinf o'quvchilarining fizika fanini o'zlashtirish darajasini aniqlash uchun test, savol, masala va topshiriqlar varianti

8-_____sinf_____guruh o'quvchisi _____

F.I.SH.

O'quvchi to'plagan umumiy ball:_____ (**maksimal ball: 30**)

II Chorak 3-BSB I variant

I. Yopiq test

1. Zanjirning bir qismidagi tok kuchi ...

[2]

- A) o'tkazgichdan o'tgan zaryad miqdoriga teng
- B) kuchlanishga to'g'ri, qarshilikka teskari proporsional
- C) kuchlanish bilan qarshilik ko'paytmasiga teng
- D) qarshilikka to'g'ri, kuchlanishga teskari proporsional

II. Ochiq test

2. Qarshiligi $25\ \Omega$ bo'lgan rezistordan 2 A tok o'tmoqda. Undagi kuchlanishni toping.

[3]

III. Bir nechta javobli test

3. Quyidagi jadvalda berilgan holatlar va bu hollarda so'ralgan fizik kattaliklar qanday o'zgarishini to'g'ri holda moslab chiqing. Bitta raqamga faqat bitta harf mos keladi.

Holatlار	Natija
1) O'zgarماس kuchlanish manbaiga ulangan reostatning surgichi surilib, qarshiligi 4 marta orttirilسا, undagi tok kuchi qanday o'zgaradi?	A) 4 marta ortadi
2) Reostatdagi kuchlanish 2 marta orttirildi, uning qarshiligi esa 3 marta kamaytirildi. Reostatdagi tok qanday o'zgaradi?	B) 4 marta kamayadi
3) Elektr zanjirning o'zgarماس qarshilikka ega bo'lgan qismidan o'tayotgan tok kuchi 4 marta oshirilسا, shu qismdagi kuchlanish qanday o'zgaradi?	C) 6 marta kamayadi
	D) 6 marta ortadi

1	2	3

[9]

IV. Masala

4. Uchlaridagi kuchlanish 24 V, qarshiligi 20 Ω bo'lgan o'tkazgichdan 60 s vaqt ichida qancha (C) zaryad o'tadi?

[7]

Berilgan:

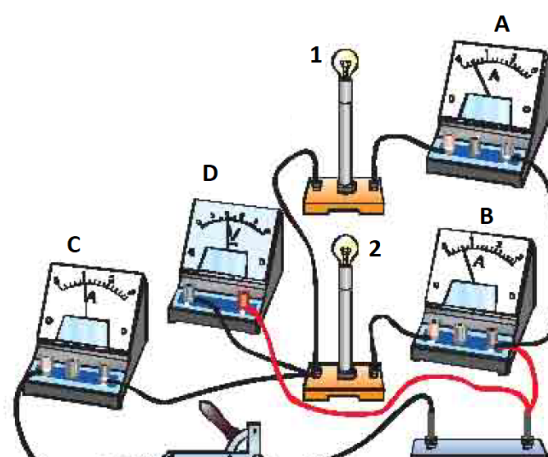
Yechilishi:

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V. Tahlil qilish va xulosa yozish

5. Rasmga qarang. Quyidagi savollarga javob yozgan holda sxemani tasvirlab bering:

- 1 va 2 lampalar o'zaro qanday ulangan?
- A, B va C ampermetrlar qaysi tokni ko'rsatmoqda?
- D voltmetr qaysi kuchlanishni ko'rsatmoqda?



d) Kalit uzilsa, qaysi lampa o‘chadi?

[9]

This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin, dark gray lines. There are 20 columns and 20 rows of these squares, creating a total of 400 individual square units. The background is white, and the grid covers the entire area of the page without any margins or additional markings.