

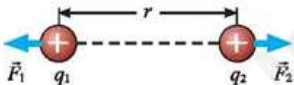
Umumta'lim maktabning 2025-2026 o'quv yili 8-sinf o'quvchilarining fizika fanini o'zlashtirish darajasini aniqlash uchun test, savol, masala va topshiriqlar varianti

8- __ sinf o'quvchisi _____

F.I.SH.

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

BSB-1

	Baholash mezon	Ball						
1	a) $q_1(+)$ musbat; [1] $q_2(-)$ manfiy [1] b) 20 [2]	4						
2	To'g'ri javob: 3 [2] 4 [2]	4						
3	To'g'ri javob: <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>1</td><td>2</td><td>3</td></tr> <tr> <td>N</td><td>L</td><td>M</td></tr> </table> Har bir to'g'ri javob uchun [2] balldan	1	2	3	N	L	M	6
1	2	3						
N	L	M						
4	<i>Berilgan :</i> $q_1 = +250 \text{ nC} = 25 \cdot 10^{-8} \text{ C}$ $q_2 = +40 \text{ pC} = +4 \cdot 10^{-5} \text{ C}$ $r = 10 \text{ cm} = 1 \cdot 10^{-1} \text{ m}$ $k = 9 \cdot 10^9 \frac{\text{N} \cdot \text{m}^2}{\text{C}^2}$ XBS da to'g'ri ifodalasa [1] $F = ?$ [1]  [1] Formula (Kulon qonuni): $F = k \frac{q_1 q_2}{r^2}$ [1] <i>Hisoblash:</i> $F = 9 \cdot 10^9 \frac{\text{N} \cdot \text{m}^2}{\text{C}^2} \frac{(4 \cdot 10^{-5} \text{ C} \cdot 25 \cdot 10^{-8})}{(1 \cdot 10^{-1} \text{ m})^2}$ [1] <i>Javob:</i> zaryadlar 9N kuch bilan o'zaro tortiladi [1]	6						
5	Har bir to'g'ri chizilgan kuchlaning yo'nalishi uchun 1 balldan: Elektr maydon kuchlanganligi yo'nalishi [1] Chang zarrachasi og'irlik kuchi yo'nalishi [1] Elektr kuchi yo'nalishi [1] Berilgan: $m = 0,03 \text{ mg} = 3 \cdot 10^{-8} \text{ kg}$ $q = 3 \text{ pC} = 3 \cdot 10^{-12} \text{ C}$	10						

	$g=10\text{m/s}^2$ $E=?$ [1] Formula va hisoblashlar batafsil yozilsa: $P = mg; \quad Fe = qE$ [2] $P = Fe, \quad mg = qE$ [2] $E = \frac{mg}{q} = \frac{3 \cdot 10^{-8} \text{kg} \cdot 10 \text{ m/s}^2}{3 \cdot 10^{-12} \text{C}} = 10^5 \frac{\text{N}}{\text{C}}$ [1] $E = 100 \frac{\text{kN}}{\text{C}}$ [1]	
--	---	--