**FIZIKA fani 9-sinf Yozma ish III variant**

1. 8 km/soat tezlik bilan chopib kelayotgan 60 kg massali odam 2,9 km/soat tezlik bilan ketayotgan 80 kg massali aravachani quvib yetadi va unga sakrab chiqadi. Shu paytda aravacha qanday tezlik bilan harakat qiladi? Agar odam aravachaga qarshi tomondan kelib chiqsa, u qanday tezlik bilan harakat qiladi?

2. Kub shaklidagi alyuminiy jismni muz parchasini ustiga qo‘yilganda , kub to‘laligicha muz ichiga kirib ketdi. Kub qanday temperaturagacha qizdirilgan edi? Muzning temperaturasi 00C. Issiqlik isrofi hisobiga olinmasin.

3. m2 massali tinch turgan jismga, m1 massali jism υ tezlik bilan kelib urilib, unga yopishib qoladi. Jismlarning noelastik to‘qnashuvidan so‘ng tezliklarini va issiqlikka aylangan kinetik energiya qismini toping. Tashqi kuchlar hisobga olinmasin.

4. Hajmi V0  va bosimi p0 bo‘lgan idishdan porshenli nasos yordamida havosi so‘rib olinmoqda. Idishdagi bosimni p gacha kamaytirish uchun nasos porsheni necha marta borib kelishi kerak? Nasosning ishchi hajmi V ga teng.

**9-sinf fizika laborotoriya ishi**

Suyuqlikning sirt tarangligini aniqlash.

**FIZIKA III Variant**

1. Molekulalarning o`rtacha kvadratik tezligi 500 m/s bo`lgan 20 g massali bir atomli gazning ichki energiyasi necha joul bo`ladi?

A) 20 B) 50 C) 2500 D) 1000

2. Gaz isitilganda, uning bosimi o`zgarmay dastlabki hajmi 30 % ga oshsa, u qanday ish bajaradi?

A) 30pV B) 3pV C) 0,3pV D) 0,7pV

3. Yorug`lik nur ihavodan turmalinning yassi sirtiga tushganda, qaytgan va singan nurlar orasidagi burchak tushish burchagidan 1,5 marta katta bo`ldi. Agar tushish burchagi 600 bo`lsa, sinish burchagi qanday bo`ladi?

A) 900 B) 600 C) 450 D) 300

4. Ko`ndalang kesimi 1 mm2 bo`lgan mis simning massasi 17,8 kg, zichligi 8,9 g/sm3 bo`lsa, uzunligi necha metr bo`ladi?

A) 1500 B) 1100 C) 2000 D)1000

5. Suvli idish tubiga muz parchasi yopishib turibdi (muz butunlay suv ostida). Muz eriganda idishdagi suv sathi qanday o`zgaradi? Suv haroratining o`zgarishini hisobga olmang?

A) o`zgarmaydi B) pasayadi C) ko`tariladi D) muz haroratiga bog’liq

6. Dinamometr osilgan jism benzinga tushirilgan. Bunda dinamometrning ko‘rsatishi havodagiga nisbatan 8 marta kichik bo‘ldi. Jismning zichligini toping. Benzin zichligi 700 kg/m3.

A) 800 kg/m3 B) 700 kg/m3 C) 560 kg/m3 D) 1400 kg/m3

7. Ikkita kuzgu o`zaro φ gradusli o`tkir burchak ostida joylashgan. Agar nur ko`zgulardan ikki marta qaytgan bo`lsa, tushgan va qaytgan nurlar orasidagi burchakni toping.

А) 2 φ B) φ C) 1,5 φ D) 3 φ

8. Teploxodning vater chizig`idan hisoblangan qirqim yuzasi 4000 m2. Unga yuk ortilganda u suvga 1,5 m cho`kdi. Ortilgan yuk massasini toping. Dengiz suvining zichligi 1030 kg/m3.

А) 6180 t B) 1545 t C) 6000 t D) 4120 t

9. Diametri 2 marta ortganda, doira shaklidagi sirtga biror kuchning bosimi qanday o`zgaradi?

A) 2 marta ortadi B) 2 marta kamayadi C) 4marta ortadi D) 4marta kamayadi

10. Botiq sferik ko`zguda hosil bo`lgan tasvir predmetdan 80 sm uzoqlikda joylashdi. Tasvir haqiqiy bo`lib predmetdan uch marta kichik.

Ko`zguning egrilik radiusini toping.

А) 0,8 m B) 0,6 m C) 0,5 m D) 0,4 m

11. Massasi 200 g bo`lgan jismn itik yuqoriga otilganda 1,44 s dan so`ng y erga qaytib tushdi. Jismning yerga urilish momentidagi to`la energiyasi nimaga teng?

А) 10 J B) 28 J C) 5 J D) 14,4 J

12. Odam vertical joylashgan yassi ko`zgu tekisligidan 2 m uzoqlashsa, u bilan uning tasviri orasidagi masofa qanday o`zgaradi?

A) 1 m ortadi B) 4 m ortadi

C) 2 m ortadi D) o`zgarmaydi

13. 40 l hajmli idishda 200 kPa bosim ostida turgan 300 K temperaturali gazning modda miqdorini (mol) aniqlang. R=8,3 J/(mol⋅K).

A) 2,4 B) 5,5 C) 3,2 D) 4,2

14. 20 0C haroratli 40 l suvga 500C haroratli 20 l suv aralashtirildi. Aralashmaning haroratini toping?

A) 250C B) 300C C) 350C D) 400C

15. Val minutiga 3000 marta aylanadi. Bunda unga birlashtirilgan to`rt taktli dvigatelning har bir silindrida yonuvchi aralashma bir sekundda Necha marta chaqnaydi?

A) 20 B) 25 C) 30 D) 50

16. Elektr plita spiralidan 10 minutda 1875∙1019 ta electron oqib o`tadi. Tok kuchi qanday? (e=1,6∙10-19C)

A) 12 A B) 14 A C) 5A D) 10A

17. Ikki uchi ochiq va uzunligi 1 m bo`lgan shisha trubani yarmigacha simobga botirildi. So`ngra trubaning uchini barmoq bilan berkitib ko`tarildi. Trubada qanday balandlikdagi simob ustuni qoladi? Atmosfera bosimi750 mm.sim.ust.

А) 15 sm B) 75 sm C) 25 sm D) 50 sm

18. Fokus masofasi 2,5sm bo`lgan lupaning kattalashtirishi nimaga teng? Eng yaxshi ko`rish masofasi 25 sm.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. Molekulalarning to`xtovsiz va tartibsiz harakatiga …deb ataladi

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. Elektr tarmog`iga ikkita bir xil plitkani ketma-ket ulandi. Plitkalardan ajralib chiqayotgan quvvatlar pasportidagi quvvatlardan qancha farq qiladi?

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

21. Jism o‘z hajmining 75% simobga botgan holda suzib yuribdi. Jism zichligini toping. Simob zichligi 13600 kg/m3.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

22. Teploxodning vater chizig`idan hisoblangan qirqim yuzasi 4000 m2. Unga yuk ortilganda u suvga 1,5 m cho`kdi. Ortilgan yuk massasini toping. Dengiz suvining zichligi 1030 kg/m3.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

23. Teploxod dengizdan daryoga o‘tmoqda. Uning suvga botish qismi o‘zgarmasdan qolishi uchun undan 90 t yukni olishdi.Teploxodning daryoga o‘tgunga qadar bo‘lgan yuk bilan birgalikdagi massasini toping. Dengiz suvining zichligi 1030 kg/m3 gateng.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

24. Erkin tushayotgan1 kg massali jismning beshinchi sekundda og‘irlik kuchinig quvvatini toping

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

25. Suvli idishda muz parchasi suzib yuribdi. Uning ustidan kerosin quyilsa muzning botish chuqurligi qandayo`zgaradi?

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**FIZIKA fani 10-sinf Yozma ish III variant**

1. 8 km/soat tezlik bilan chopib kelayotgan 60 kg massali odam 2,9 km/soat tezlik bilan ketayotgan 80 kg massali aravachani quvib yetadi va unga sakrab chiqadi. Shu paytda aravacha qanday tezlik bilan harakat qiladi? Agar odam aravachaga qarshi tomondan kelib chiqsa, u qanday tezlik bilan harakat qiladi?

2. Kub shaklidagi alyuminiy jismni muz parchasini ustiga qo‘yilganda , kub to‘laligicha muz ichiga kirib ketdi. Kub qanday temperaturagacha qizdirilgan edi? Muzning temperaturasi 00C. Issiqlik isrofi hisobiga olinmasin.

3. m2 massali tinch turgan jismga, m1 massali jism υ tezlik bilan kelib urilib, unga yopishib qoladi. Jismlarning noelastik to‘qnashuvidan so‘ng tezliklarini va issiqlikka aylangan kinetik energiya qismini toping. Tashqi kuchlar hisobga olinmasin.

4. Hajmi V0  va bosimi p0 bo‘lgan idishdan porshenli nasos yordamida havosi so‘rib olinmoqda. Idishdagi bosimni p gacha kamaytirish uchun nasos porsheni necha marta borib kelishi kerak? Nasosning ishchi hajmi V ga teng.

**10-sinf fizika laborotoriya ishi**

Suyuqlikning sirt tarangligini aniqlash.

**FIZIKA III Variant**

1. Bir simni teng ikki bo`lakka bo`lib ikkala bo`lagi ustma- ust tashlansa simning qarshiligi qanday o`zgaradi.

 A) 2 marta oshadi B) o`zgarmaydi C) 2 marta kamayadi D) 4 marta ortadi

2. O`tkazgich 5 ta teng bo`lakga bo`linib zich qilib eshilganda qarshiligi 1Om bo`ldi o`tkazgichning dastlabgi qarshiligini toping?

A) 5 Om B) 10 Om C) 15 Om D) 25 Om

3. Tok kuchini o`lchovchi asbobni ko`rsating?

 A) Voltmetr B) Ommetr C) Ampermetr D) Metr

4. Kuchlanish o`zgarmagan holda elektr qarshilik 2 marta kamaysa tokning quvvati qanday o`zgaradi?

 A) 2 marta oratdi B) 2 mata kamayadi C) 4 marta kamayadi D) o`zgarmaydi

5. Agar 300m yo`lda avtomobil tezligini 36km/soatdan 72km/soatgacha oshirgan bo`lsa uning tezlanishini toping.

 A) 3m/s2  B) 2m/s2  C) 1m/s2  D) 0,5m/s

 6 . Avtomobilning tezligi 72km/soat, g`ildiragining radiusi 31sm. G`ildiragning burchak tezligi qanday (rad/s) ?

 A) 44,5 B) 54,5 C) 64,5 D) 68,5

7. L uzunlikdagi simni teng 2 ga bo`lganda uning bikrlik kuchi necha marta o`zgaradi?

 A) 2 marta oshadi B) 2 marta kamayadi C) 4 marta oshadi D)4 marta kamayadi

8. Kondensatorning kuchlanishini o`zgartirmasdan uning zaryadi miqdori 2 marta oshirildi uning sig`imi qanday o`zgaradi.

 A) 2 marta oshadi B) 2 marta kamayadi

 C) o`zgarmaydi D)4 marta kamayadi

9. 1 birlik vaqt ichida o`tkazgichning ko`ndalang kesim yuzasidan oqib o`tgan zaryad miqdoriga son jihatdan teng bo`lgan fizik kattalikga \_\_\_\_\_\_\_\_\_\_ deyiladi.

 A) kuchlanish B) tok kuchi

 C) tokning quvvati D) energiya

10 . Massasi 4 t bo`lgan yuk ortilmagan (bo`sh) yuk mashinasi 0,3 m/s2 tezlanish bilan harakatlana boshladi. Agar mashina o`sha tortishish kuchida joyidan 0.2 m/ s2 tezlanish bilan qo`zg`alsa mashinaga ortilgan yukning massasi qanday? (t)

 A) 3 B) 2 C) 4 D) 5

11. Elektr maydon kuchlanganligi formulasini ko’rsating.

A)  B)  C)  D) A=q\*m

12) Qarama-qarshi ishorada teng miqdorda zaryadlangan ikki o’tkazgichdan iborat to’plovchi qurulmaga ……. deyiladi.

A)Elektraskop B)Elektrometr C)Kondensator D) Kondensator- Elektraskop

13. 40 l hajmli idishda 200 kPa bosim ostida turgan 300 K temperaturali gazning modda miqdorini (mol) aniqlang. R=8,3 J/(mol⋅K).

A) 2,4 B) 5,5 C) 3,2 D) 4,2

14. 20 0C haroratli 40 l suvga 500C haroratli 20 l suv aralashtirildi. Aralashmaning haroratini toping?

A) 250C B) 300C C) 350C D) 400C

15. Val minutiga 3000 marta aylanadi. Bunda unga birlashtirilgan to`rt taktli dvigatelning har bir silindrida yonuvchi aralashma bir sekundda Necha marta chaqnaydi?

A) 20 B) 25 C) 30 D) 50

16. Elektr plita spiralidan 10 minutda 1875∙1019 ta electron oqib o`tadi. Tok kuchi qanday? (e=1,6∙10-19C)

A) 12 A B) 14 A C) 5A D) 10A

17. Ikki uchi ochiq va uzunligi 1 m bo`lgan shisha trubani yarmigacha simobga botirildi. So`ngra trubaning uchini barmoq bilan berkitib ko`tarildi. Trubada qanday balandlikdagi simob ustuni qoladi? Atmosfera bosimi750 mm.sim.ust.

А) 15 sm B) 75 sm C) 25 sm D) 50 sm

18. Fokus masofasi 2,5sm bo`lgan lupaning kattalashtirishi nimaga teng? Eng yaxshi ko`rish masofasi 25 sm.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. Molekulalarning to`xtovsiz va tartibsiz harakatiga …deb ataladi

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. Elektr tarmog`iga ikkita bir xil plitkani ketma-ket ulandi. Plitkalardan ajralib chiqayotgan quvvatlar pasportidagi quvvatlardan qancha farq qiladi?

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

21. Jism o‘z hajmining 75% simobga botgan holda suzib yuribdi. Jism zichligini toping. Simob zichligi 13600 kg/m3.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

22. Teploxodning vater chizig`idan hisoblangan qirqim yuzasi 4000 m2. Unga yuk ortilganda u suvga 1,5 m cho`kdi. Ortilgan yuk massasini toping. Dengiz suvining zichligi 1030 kg/m3.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

23. Teploxod dengizdan daryoga o‘tmoqda. Uning suvga botish qismi o‘zgarmasdan qolishi uchun undan 90 t yukni olishdi.Teploxodning daryoga o‘tgunga qadar bo‘lgan yuk bilan birgalikdagi massasini toping. Dengiz suvining zichligi 1030 kg/m3 gateng.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

24. Erkin tushayotgan1 kg massali jismning beshinchi sekundda og‘irlik kuchinig quvvatini toping

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

25. Suvli idishda muz parchasi suzib yuribdi. Uning ustidan kerosin quyilsa muzning botish chuqurligi qandayo`zgaradi?

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**FIZIKA fani 11-sinf Yozma ish III variant**

1. Tramvay vagoning elektrodvigateli 100 A tok kuchi va 500 V kuchlanishda ishlaydi. Dvigatelning 4 kN tortish kuchi ta`siridagi tezligi 18 km/soat. Dvigatelning FIK (%) nimaga teng?

2. Ko`tarma kranning elektrodvigateli 100 A tok kuchi va 50 V kuchlanishda ishlaydi 500 kg massali jismni 20 s davomida 16 m ga kotaradi. Dvigatelning FIK nimaga teng?

3. m2 massali tinch turgan jismga, m1 massali jism υ tezlik bilan kelib urilib, unga yopishib qoladi. Jismlarning noelastik to‘qnashuvidan so‘ng tezliklarini va issiqlikka aylangan kinetik energiya qismini toping. Tashqi kuchlar hisobga olinmasin.

4. Hajmi V0  va bosimi p0 bo‘lgan idishdan porshenli nasos yordamida havosi so‘rib olinmoqda. Idishdagi bosimni p gacha kamaytirish uchun nasos porsheni necha marta borib kelishi kerak? Nasosning ishchi hajmi V ga teng.

**11-sinf fizika laborotoriya ishi**

Suyuqlikning sirt tarangligini aniqlash.

1. Bir mоlekulaning ikkinchi mоdda mоlekulariga kirishuvi ...... deyiladi

A) Brоun harakati B) Diffuziya C) Aralashish D) Kushilish

2. O‘simlik mоyi suyuqlik ustida Cheksiz yoyila оladimi

A)Mоy qatlami qalinligi eng kichik zarraning ko‘ndalang kesimiga tenglashguncha yoyiladi B)Cheksiz yoyiladi C)Cheksiz yoyimaydi D)Mоy qatlamining qalinligiga bоg‘liq

3. Suvda yoyilgan mоy qatlami yordamida mоlekulaning diametri qanday fоrmula bilan aniqlanadi.

A)d=V/s B)S=db C)d=S/V D)V=dS

4. Suv mоlekulasi nechta atоmdan ibоrat.

A) 2 ta B)1 ta C)3 ta D)4 ta

5. Mоddaning qanday eng kichik bulagida uning хоssasi saqlanib qоladi.

A)1sm3 hajmida B)Mоlekulasida C)Atоmida D)Istalgan kichik bo‘lagida

6. S6 N6 -benzоl mоlekulasi nechta atоmdan tashkil tоpgan.

A)12 B)2 C)4 D)6

7. Mоddaning qaysi hоlatida uni siqib hajmini kamaytirish mumkin.

 1) Gaz 2) Suyuqlik 3) Qattiq jism

A) 1 va 2 B)2 C)3 D)1

8. Sоvuq suvning mоlekulasi issiq suvning mоlekulasidan nimasi bilan farq qiladi.

A) Shakli bilan B)Massasi bilan C) Farq qilmaydi D)O‘lchami bilan

 9. Quyidagi mоddalardan qaysi birining mоlekulasi uchta atоmdan tashkil tоpgan. 1) Suv 2) Kislоrоd 3) Vоdоrоd 4) Karbоnad angidrid

A) 2 B)1 C)3 D)4

 10. Qattiq jism mоlekulari (atоmlari) qanday harakatda bo‘ladi.

A)Tebranma harakat B)Tartibsiz ilgarlanma harakatda

C)Aylanma harakatda D)Ular harakatda bulmaydi

11. Zichlikning fоrmulasini ko‘rsating.

A)S=M/V B)P=F/S C)V=S/T D)m=SV

12. Uncha baland bo‘lmagan tepaliklarda har bir ……ko‘tarilishda bosim o‘rta hisob bilan 1 mm simob ustuniga kamayadi.

A)12 m. B) 1m C)10 m D)15 m

13. 40 l hajmli idishda 200 kPa bosim ostida turgan 300 K temperaturali gazning modda miqdorini (mol) aniqlang. R=8,3 J/(mol⋅K).

A) 2,4 B) 5,5 C) 3,2 D) 4,2

14. 20 0C haroratli 40 l suvga 500C haroratli 20 l suv aralashtirildi. Aralashmaning haroratini toping?

A) 250C B) 300C C) 350C D) 400C

15. Val minutiga 3000 marta aylanadi. Bunda unga birlashtirilgan to`rt taktli dvigatelning har bir silindrida yonuvchi aralashma bir sekundda Necha marta chaqnaydi?

A) 20 B) 25 C) 30 D) 50

16. Elektr plita spiralidan 10 minutda 1875∙1019 ta electron oqib o`tadi. Tok kuchi qanday? (e=1,6∙10-19C)

A) 12 A B) 14 A C) 5A D) 10A

17. Ikki uchi ochiq va uzunligi 1 m bo`lgan shisha trubani yarmigacha simobga botirildi. So`ngra trubaning uchini barmoq bilan berkitib ko`tarildi. Trubada qanday balandlikdagi simob ustuni qoladi? Atmosfera bosimi750 mm.sim.ust.

А) 15 sm B) 75 sm C) 25 sm D) 50 sm

18. Fokus masofasi 2,5sm bo`lgan lupaning kattalashtirishi nimaga teng? Eng yaxshi ko`rish masofasi 25 sm.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. Molekulalarning to`xtovsiz va tartibsiz harakatiga …deb ataladi

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. Elektr tarmog`iga ikkita bir xil plitkani ketma-ket ulandi. Plitkalardan ajralib chiqayotgan quvvatlar pasportidagi quvvatlardan qancha farq qiladi?

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

21. Jism o‘z hajmining 75% simobga botgan holda suzib yuribdi. Jism zichligini toping. Simob zichligi 13600 kg/m3.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

22. Teploxodning vater chizig`idan hisoblangan qirqim yuzasi 4000 m2. Unga yuk ortilganda u suvga 1,5 m cho`kdi. Ortilgan yuk massasini toping. Dengiz suvining zichligi 1030 kg/m3.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

23. Teploxod dengizdan daryoga o‘tmoqda. Uning suvga botish qismi o‘zgarmasdan qolishi uchun undan 90 t yukni olishdi.Teploxodning daryoga o‘tgunga qadar bo‘lgan yuk bilan birgalikdagi massasini toping. Dengiz suvining zichligi 1030 kg/m3 gateng.

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

24. Erkin tushayotgan1 kg massali jismning beshinchi sekundda og‘irlik kuchinig quvvatini toping

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

25. Suvli idishda muz parchasi suzib yuribdi. Uning ustidan kerosin quyilsa muzning botish chuqurligi qandayo`zgaradi?

Javob\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_