

2021/2022

Filière: génie des procédés
 génie chimique

Niveau:

Matière: Analyse Numérique / Section A / 1

| # | Matricule | CC |
|----|--------------|------|
| 1 | 171739071445 | 10.1 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 8.0 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 4.2 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 14.0 |
| 9 | 161639053253 | 8.0 |
| 10 | 171739071139 | 10.4 |
| 11 | 171739081052 | 8.0 |
| 12 | 161639075865 | 7.6 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 8.8 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 14.0 |
| 18 | 181839067606 | 8.0 |
| 19 | 161639072619 | 10.0 |
| 20 | 21069056594 | 13.4 |
| 21 | 171739072831 | 9.8 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 10.0 |
| 24 | 181839073660 | 9.2 |
| 25 | 171739074823 | 10.0 |
| 26 | 181839069464 | 12.8 |
| 27 | 171739064444 | 11.4 |
| 28 | 161639083633 | 0.0 |
| 29 | 161639070123 | 9.2 |
| 30 | 181839066640 | 14.0 |
| 31 | 181839072367 | 11.6 |
| 32 | 181839050744 | 2.8 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 4.0 |
| 35 | 181839066324 | 15.2 |
| 36 | 181839065601 | 12.8 |
| 37 | 181839068244 | 9.2 |
| 38 | 181839063259 | 14.0 |
| 39 | 171739065346 | 5.8 |
| 40 | 161639067341 | 10.2 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 9.2 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 8.0 |
| 45 | 181839067117 | 2.8 |
| 46 | 171739066651 | 0.0 |
| 47 | 171739069165 | 13.4 |
| 48 | 181839072302 | 0.0 |
| 49 | 201539067019 | 8.0 |
| 50 | 19129054134 | 1.8 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 8.2 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Analyse Numérique / Section A / 2

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839067933 | 1.8 |
| 2 | 21069058130 | 8.0 |
| 3 | 171739074827 | 13.8 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 0.0 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 8.0 |
| 8 | 181839068462 | 9.8 |
| 9 | 171739071456 | 0.0 |
| 10 | 181839062710 | 7.2 |
| 11 | 161639073148 | 12.2 |
| 12 | 18119048382 | 2.8 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 7.4 |
| 15 | 181839066556 | 9.8 |
| 16 | 181839072368 | 12.2 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 7.4 |
| 19 | 171739065462 | 9.2 |
| 20 | 171739081103 | 11.6 |
| 21 | 171739064583 | 2.8 |
| 22 | 181839063235 | 6.2 |
| 23 | 171739070519 | 7.4 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 9.8 |
| 26 | 161739082350 | 16.1 |
| 27 | 171739071180 | 6.2 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 8.0 |
| 30 | 181839073623 | 12.2 |
| 31 | 181839069473 | 12.2 |
| 32 | 181839062954 | 11.6 |
| 33 | 181839065214 | 13.4 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 11.0 |
| 36 | 181839071168 | 7.0 |
| 37 | 161639076828 | 2.8 |
| 38 | 181839063268 | 8.6 |
| 39 | 181839066353 | 9.8 |
| 40 | 181839067143 | 2.8 |
| 41 | 171739076008 | 12.8 |
| 42 | 181839072339 | 12.2 |
| 43 | 181839064093 | 14.0 |
| 44 | 171739069177 | 0.0 |
| 45 | 171739072841 | 10.2 |
| 46 | 161639065380 | 0.0 |
| 47 | 211539067649 | 9.8 |
| 48 | 211339031941 | 6.4 |
| 49 | 21109042733 | 12.8 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Analyse Numérique / Section A / 3

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839066572 | 0.0 |
| 2 | 181839068281 | 3.0 |
| 3 | 181839069477 | 9.2 |
| 4 | 181839072372 | 9.2 |
| 5 | 181839072343 | 11.6 |
| 6 | 181839071899 | 5.6 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 6.4 |
| 9 | 181839069046 | 11.0 |
| 10 | 181839071169 | 9.8 |
| 11 | 171739082354 | 11.0 |
| 12 | 171739069202 | 13.4 |
| 13 | 181839066965 | 9.8 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 12.2 |
| 16 | 181839064483 | 5.2 |
| 17 | 181839062996 | 3.0 |
| 18 | 171739064622 | 14.6 |
| 19 | 161639070870 | 9.8 |
| 20 | 181839070297 | 8.0 |
| 21 | 171739067104 | 9.8 |
| 22 | 171739074830 | 0.0 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 2.8 |
| 25 | 161639077362 | 10.4 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 2.8 |
| 29 | 171739071468 | 0.0 |
| 30 | 181839068464 | 10.4 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 6.4 |
| 33 | 181839073637 | 5.2 |
| 34 | 171739065695 | 9.8 |
| 35 | 181839063269 | 9.8 |
| 36 | 171739051965 | 10.4 |
| 37 | 171739070668 | 11.0 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 8.0 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 12.8 |
| 42 | 161639067400 | 11.5 |
| 43 | 181839065636 | 13.4 |
| 44 | 181839065397 | 9.8 |
| 45 | 171739072843 | 10.0 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 11.0 |
| 49 | 21109042745 | 10.4 |
| 50 | 181539053219 | 12.2 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Analyse Numérique / Section A / 4

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 14.0 |
| 3 | 171739072855 | 4.2 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 3.0 |
| 6 | 171739075170 | 10.4 |
| 7 | 181839069072 | 12.2 |
| 8 | 181839063208 | 12.2 |
| 9 | 171739064733 | 0.0 |
| 10 | 181839066989 | 1.2 |
| 11 | 161639068495 | 7.0 |
| 12 | 181839068812 | 13.4 |
| 13 | 161739082359 | 11.2 |
| 14 | 181839065646 | 11.6 |
| 15 | 161639074250 | 0.0 |
| 16 | 181839073668 | 0.0 |
| 17 | 181839069716 | 4.6 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 10.4 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 9.2 |
| 24 | 181839064565 | 6.8 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 8.6 |
| 27 | 171739071469 | 7.6 |
| 28 | 161639071502 | 0.0 |
| 29 | 181839067480 | 10.4 |
| 30 | 181839072344 | 0.0 |
| 31 | 181839071949 | 12.8 |
| 32 | 171739068595 | 2.8 |
| 33 | 181839071405 | 10.4 |
| 34 | 171739071186 | 9.2 |
| 35 | 171739076048 | 5.8 |
| 36 | 181839063249 | 12.2 |
| 37 | 161639065774 | 10.2 |
| 38 | 181839062744 | 9.8 |
| 39 | 181839063915 | 6.8 |
| 40 | 181839067972 | 8.6 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 10.4 |
| 43 | 171739074354 | 10.0 |
| 44 | 181839070302 | 9.8 |
| 45 | 181839065413 | 10.4 |
| 46 | 171739069277 | 0.0 |
| 47 | 171739066074 | 10.4 |
| 48 | 21129036386 | 5.6 |
| 49 | 201539074100 | 0.0 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

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Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Analyse Numérique / Section A / 5

| # | Matricule | CC |
|----|--------------|------|
| 1 | 161639074312 | 8.6 |
| 2 | 161639078520 | 11.4 |
| 3 | 181839067063 | 11.6 |
| 4 | 181839067976 | 6.4 |
| 5 | 181839071455 | 11.0 |
| 6 | 171739064744 | 0.0 |
| 7 | 181839063250 | 6.2 |
| 8 | 181839069073 | 3.6 |
| 9 | 181839064076 | 8.8 |
| 10 | 181839070604 | 8.6 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 11.6 |
| 14 | 181839071969 | 8.6 |
| 15 | 21089053900 | 12.8 |
| 16 | 21119043493 | 2.8 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 9.8 |
| 19 | 171739071710 | 11.0 |
| 20 | 181839069765 | 1.2 |
| 21 | 171739070719 | 10.4 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 4.6 |
| 24 | 171739074430 | 2.8 |
| 25 | 181839080060 | 12.8 |
| 26 | 181839072345 | 10.4 |
| 27 | 171739071280 | 12.5 |
| 28 | 171739069281 | 3.6 |
| 29 | 171739075278 | 0.6 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 11.0 |
| 32 | 181839073647 | 11.6 |
| 33 | 161639069025 | 8.6 |
| 34 | 171739082385 | 1.8 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 8.6 |
| 37 | 181539066186 | 0.0 |
| 38 | 181839068854 | 11.0 |
| 39 | 171739066078 | 12.2 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 12.8 |
| 42 | 171739070140 | 3.4 |
| 43 | 161539075147 | 1.8 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 0.0 |
| 46 | 181839067523 | 11.0 |
| 47 | 181839063225 | 13.4 |
| 48 | 211339057308 | 9.8 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Analyse Numérique / Section A / 6

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839067978 | 1.6 |
| 2 | 171739069284 | 0.0 |
| 3 | 161639078588 | 10.0 |
| 4 | 171739064766 | 2.8 |
| 5 | 181839064572 | 9.2 |
| 6 | 181839062798 | 12.2 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 12.2 |
| 9 | 171739071382 | 11.0 |
| 10 | 171739073336 | 8.0 |
| 11 | 181839071973 | 9.8 |
| 12 | 171739064249 | 8.6 |
| 13 | 181839063231 | 12.8 |
| 14 | 21119045401 | 3.4 |
| 15 | 171739074772 | 10.4 |
| 16 | 181839067569 | 11.6 |
| 17 | 171739070194 | 9.8 |
| 18 | 181839068444 | 12.2 |
| 19 | 161639066586 | 0.0 |
| 20 | 181839064085 | 2.4 |
| 21 | 181839067616 | 0.0 |
| 22 | 161639069055 | 8.6 |
| 23 | 181539075199 | 11.0 |
| 24 | 181839065427 | 4.6 |
| 25 | 171739076304 | 4.2 |
| 26 | 181839069074 | 7.4 |
| 27 | 171739071844 | 11.6 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 13.4 |
| 31 | 181839073649 | 15.2 |
| 32 | 171739075355 | 10.4 |
| 33 | 171739067361 | 9.8 |
| 34 | 181839068980 | 11.6 |
| 35 | 161639072471 | 10.4 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 12.2 |
| 38 | 181839065661 | 12.2 |
| 39 | 181839067068 | 5.8 |
| 40 | 161639075277 | 9.8 |
| 41 | 171739069038 | 14.0 |
| 42 | 171739066304 | 7.4 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 12.8 |
| 45 | 171739070779 | 12.2 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 15.2 |
| 48 | 211539079159 | 11.6 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 12.2 |
| 51 | 201439055911 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Analyse Numérique / Section A / 7

| # | Matricule | CC |
|----|--------------|------|
| 1 | 171739071394 | 8.0 |
| 2 | 181839068982 | 12.8 |
| 3 | 181839071164 | 2.8 |
| 4 | 181839065428 | 8.0 |
| 5 | 171739064285 | 10.0 |
| 6 | 181839067113 | 5.6 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 13.4 |
| 9 | 161631029915 | 11.0 |
| 10 | 181839062881 | 8.6 |
| 11 | 171739069116 | 0.0 |
| 12 | 181839066629 | 1.8 |
| 13 | 181839064789 | 14.6 |
| 14 | 171739075375 | 12.2 |
| 15 | 181839072355 | 4.6 |
| 16 | 181839063232 | 13.4 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 0.0 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 11.6 |
| 21 | 161639067288 | 12.2 |
| 22 | 171739070795 | 10.8 |
| 23 | 181839064088 | 12.8 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 1.8 |
| 26 | 161639069099 | 1.2 |
| 27 | 181839073658 | 9.8 |
| 28 | 181839071974 | 9.8 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 6.4 |
| 31 | 181836048869 | 11.0 |
| 32 | 171739071900 | 14.0 |
| 33 | 181839066301 | 7.4 |
| 34 | 19119046664 | 9.8 |
| 35 | 171739067697 | 9.8 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 2.8 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 11.7 |
| 40 | 161639075395 | 12.2 |
| 41 | 171739076306 | 11.6 |
| 42 | 181839070196 | 8.0 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 9.8 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 12.8 |
| 48 | 20129045617 | 0.0 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Energies Renouvelables / Section A / 1

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 171739071445 | 0.0 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 0.0 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 0.0 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 0.0 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 0.0 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 0.0 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 0.0 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 0.0 |
| 18 | 181839067606 | 0.0 |
| 19 | 161639072619 | 0.0 |
| 20 | 21069056594 | 0.0 |
| 21 | 171739072831 | 0.0 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 0.0 |
| 24 | 181839073660 | 0.0 |
| 25 | 171739074823 | 0.0 |
| 26 | 181839069464 | 0.0 |
| 27 | 171739064444 | 0.0 |
| 28 | 161639083633 | 0.0 |
| 29 | 161639070123 | 0.0 |
| 30 | 181839066640 | 0.0 |
| 31 | 181839072367 | 0.0 |
| 32 | 181839050744 | 0.0 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 0.0 |
| 35 | 181839066324 | 0.0 |
| 36 | 181839065601 | 0.0 |
| 37 | 181839068244 | 0.0 |
| 38 | 181839063259 | 0.0 |
| 39 | 171739065346 | 0.0 |
| 40 | 161639067341 | 0.0 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 0.0 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 0.0 |
| 45 | 181839067117 | 0.0 |
| 46 | 171739066651 | 0.0 |
| 47 | 171739069165 | 0.0 |
| 48 | 181839072302 | 0.0 |
| 49 | 201539067019 | 0.0 |
| 50 | 19129054134 | 0.0 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 0.0 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Energies Renouvelables / Section A / 2

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839067933 | 0.0 |
| 2 | 21069058130 | 0.0 |
| 3 | 171739074827 | 0.0 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 0.0 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 0.0 |
| 8 | 181839068462 | 0.0 |
| 9 | 171739071456 | 0.0 |
| 10 | 181839062710 | 0.0 |
| 11 | 161639073148 | 0.0 |
| 12 | 18119048382 | 0.0 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 0.0 |
| 15 | 181839066556 | 0.0 |
| 16 | 181839072368 | 0.0 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 0.0 |
| 19 | 171739065462 | 0.0 |
| 20 | 171739081103 | 0.0 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 0.0 |
| 23 | 171739070519 | 0.0 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 0.0 |
| 26 | 161739082350 | 0.0 |
| 27 | 171739071180 | 0.0 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 0.0 |
| 30 | 181839073623 | 0.0 |
| 31 | 181839069473 | 0.0 |
| 32 | 181839062954 | 0.0 |
| 33 | 181839065214 | 0.0 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 0.0 |
| 36 | 181839071168 | 0.0 |
| 37 | 161639076828 | 0.0 |
| 38 | 181839063268 | 0.0 |
| 39 | 181839066353 | 0.0 |
| 40 | 181839067143 | 0.0 |
| 41 | 171739076008 | 0.0 |
| 42 | 181839072339 | 0.0 |
| 43 | 181839064093 | 0.0 |
| 44 | 171739069177 | 0.0 |
| 45 | 171739072841 | 0.0 |
| 46 | 161639065380 | 0.0 |
| 47 | 211539067649 | 0.0 |
| 48 | 211339031941 | 0.0 |
| 49 | 21109042733 | 0.0 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Energies Renouvelables / Section A / 3

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839066572 | 0.0 |
| 2 | 181839068281 | 0.0 |
| 3 | 181839069477 | 0.0 |
| 4 | 181839072372 | 0.0 |
| 5 | 181839072343 | 0.0 |
| 6 | 181839071899 | 0.0 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 0.0 |
| 9 | 181839069046 | 0.0 |
| 10 | 181839071169 | 0.0 |
| 11 | 171739082354 | 0.0 |
| 12 | 171739069202 | 0.0 |
| 13 | 181839066965 | 0.0 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 0.0 |
| 16 | 181839064483 | 0.0 |
| 17 | 181839062996 | 0.0 |
| 18 | 171739064622 | 0.0 |
| 19 | 161639070870 | 0.0 |
| 20 | 181839070297 | 0.0 |
| 21 | 171739067104 | 0.0 |
| 22 | 171739074830 | 0.0 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 0.0 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 0.0 |
| 30 | 181839068464 | 0.0 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 0.0 |
| 33 | 181839073637 | 0.0 |
| 34 | 171739065695 | 0.0 |
| 35 | 181839063269 | 0.0 |
| 36 | 171739051965 | 0.0 |
| 37 | 171739070668 | 0.0 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 0.0 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 0.0 |
| 42 | 161639067400 | 0.0 |
| 43 | 181839065636 | 0.0 |
| 44 | 181839065397 | 0.0 |
| 45 | 171739072843 | 0.0 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 0.0 |
| 49 | 21109042745 | 0.0 |
| 50 | 181539053219 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Energies Renouvelables / Section A / 4

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 0.0 |
| 3 | 171739072855 | 0.0 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 0.0 |
| 6 | 171739075170 | 0.0 |
| 7 | 181839069072 | 0.0 |
| 8 | 181839063208 | 0.0 |
| 9 | 171739064733 | 0.0 |
| 10 | 181839066989 | 0.0 |
| 11 | 161639068495 | 0.0 |
| 12 | 181839068812 | 0.0 |
| 13 | 161739082359 | 0.0 |
| 14 | 181839065646 | 0.0 |
| 15 | 161639074250 | 0.0 |
| 16 | 181839073668 | 0.0 |
| 17 | 181839069716 | 0.0 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 0.0 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 0.0 |
| 24 | 181839064565 | 0.0 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 0.0 |
| 27 | 171739071469 | 0.0 |
| 28 | 161639071502 | 0.0 |
| 29 | 181839067480 | 0.0 |
| 30 | 181839072344 | 0.0 |
| 31 | 181839071949 | 0.0 |
| 32 | 171739068595 | 0.0 |
| 33 | 181839071405 | 0.0 |
| 34 | 171739071186 | 0.0 |
| 35 | 171739076048 | 0.0 |
| 36 | 181839063249 | 0.0 |
| 37 | 161639065774 | 0.0 |
| 38 | 181839062744 | 0.0 |
| 39 | 181839063915 | 0.0 |
| 40 | 181839067972 | 0.0 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 0.0 |
| 43 | 171739074354 | 0.0 |
| 44 | 181839070302 | 0.0 |
| 45 | 181839065413 | 0.0 |
| 46 | 171739069277 | 0.0 |
| 47 | 171739066074 | 0.0 |
| 48 | 21129036386 | 0.0 |
| 49 | 201539074100 | 0.0 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Energies Renouvelables / Section A / 5

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 161639074312 | 0.0 |
| 2 | 161639078520 | 0.0 |
| 3 | 181839067063 | 0.0 |
| 4 | 181839067976 | 0.0 |
| 5 | 181839071455 | 0.0 |
| 6 | 171739064744 | 0.0 |
| 7 | 181839063250 | 0.0 |
| 8 | 181839069073 | 0.0 |
| 9 | 181839064076 | 0.0 |
| 10 | 181839070604 | 0.0 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 0.0 |
| 14 | 181839071969 | 0.0 |
| 15 | 21089053900 | 0.0 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 0.0 |
| 19 | 171739071710 | 0.0 |
| 20 | 181839069765 | 0.0 |
| 21 | 171739070719 | 0.0 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 0.0 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 0.0 |
| 26 | 181839072345 | 0.0 |
| 27 | 171739071280 | 0.0 |
| 28 | 171739069281 | 0.0 |
| 29 | 171739075278 | 0.0 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 0.0 |
| 32 | 181839073647 | 0.0 |
| 33 | 161639069025 | 0.0 |
| 34 | 171739082385 | 0.0 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 0.0 |
| 37 | 181539066186 | 0.0 |
| 38 | 181839068854 | 0.0 |
| 39 | 171739066078 | 0.0 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 0.0 |
| 42 | 171739070140 | 0.0 |
| 43 | 161539075147 | 0.0 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 0.0 |
| 46 | 181839067523 | 0.0 |
| 47 | 181839063225 | 0.0 |
| 48 | 211339057308 | 0.0 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Energies Renouvelables / Section A / 6

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839067978 | 0.0 |
| 2 | 171739069284 | 0.0 |
| 3 | 161639078588 | 0.0 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 0.0 |
| 6 | 181839062798 | 0.0 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 0.0 |
| 9 | 171739071382 | 0.0 |
| 10 | 171739073336 | 0.0 |
| 11 | 181839071973 | 0.0 |
| 12 | 171739064249 | 0.0 |
| 13 | 181839063231 | 0.0 |
| 14 | 21119045401 | 0.0 |
| 15 | 171739074772 | 0.0 |
| 16 | 181839067569 | 0.0 |
| 17 | 171739070194 | 0.0 |
| 18 | 181839068444 | 0.0 |
| 19 | 161639066586 | 0.0 |
| 20 | 181839064085 | 0.0 |
| 21 | 181839067616 | 0.0 |
| 22 | 161639069055 | 0.0 |
| 23 | 181539075199 | 0.0 |
| 24 | 181839065427 | 0.0 |
| 25 | 171739076304 | 0.0 |
| 26 | 181839069074 | 0.0 |
| 27 | 171739071844 | 0.0 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 0.0 |
| 31 | 181839073649 | 0.0 |
| 32 | 171739075355 | 0.0 |
| 33 | 171739067361 | 0.0 |
| 34 | 181839068980 | 0.0 |
| 35 | 161639072471 | 0.0 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 0.0 |
| 38 | 181839065661 | 0.0 |
| 39 | 181839067068 | 0.0 |
| 40 | 161639075277 | 0.0 |
| 41 | 171739069038 | 0.0 |
| 42 | 171739066304 | 0.0 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 0.0 |
| 45 | 171739070779 | 0.0 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 0.0 |
| 48 | 211539079159 | 0.0 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 0.0 |
| 51 | 201439055911 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Energies Renouvelables / Section A / 7

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 171739071394 | 0.0 |
| 2 | 181839068982 | 0.0 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 0.0 |
| 6 | 181839067113 | 0.0 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 0.0 |
| 9 | 161631029915 | 0.0 |
| 10 | 181839062881 | 0.0 |
| 11 | 171739069116 | 0.0 |
| 12 | 181839066629 | 0.0 |
| 13 | 181839064789 | 0.0 |
| 14 | 171739075375 | 0.0 |
| 15 | 181839072355 | 0.0 |
| 16 | 181839063232 | 0.0 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 0.0 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 0.0 |
| 21 | 161639067288 | 0.0 |
| 22 | 171739070795 | 0.0 |
| 23 | 181839064088 | 0.0 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 0.0 |
| 26 | 161639069099 | 0.0 |
| 27 | 181839073658 | 0.0 |
| 28 | 181839071974 | 0.0 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 0.0 |
| 31 | 181836048869 | 0.0 |
| 32 | 171739071900 | 0.0 |
| 33 | 181839066301 | 0.0 |
| 34 | 19119046664 | 0.0 |
| 35 | 171739067697 | 0.0 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 0.0 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 0.0 |
| 40 | 161639075395 | 0.0 |
| 41 | 171739076306 | 0.0 |
| 42 | 181839070196 | 0.0 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 0.0 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 0.0 |
| 48 | 20129045617 | 0.0 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Ethique, déontologie et Propriété Intellectuelle / Section

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 171739071445 | 0.0 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 0.0 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 0.0 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 0.0 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 0.0 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 0.0 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 0.0 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 0.0 |
| 18 | 181839067606 | 0.0 |
| 19 | 161639072619 | 0.0 |
| 20 | 21069056594 | 0.0 |
| 21 | 171739072831 | 0.0 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 0.0 |
| 24 | 181839073660 | 0.0 |
| 25 | 171739074823 | 0.0 |
| 26 | 181839069464 | 0.0 |
| 27 | 171739064444 | 0.0 |
| 28 | 161639083633 | 0.0 |
| 29 | 161639070123 | 0.0 |
| 30 | 181839066640 | 0.0 |
| 31 | 181839072367 | 0.0 |
| 32 | 181839050744 | 0.0 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 0.0 |
| 35 | 181839066324 | 0.0 |
| 36 | 181839065601 | 0.0 |
| 37 | 181839068244 | 0.0 |
| 38 | 181839063259 | 0.0 |
| 39 | 171739065346 | 0.0 |
| 40 | 161639067341 | 0.0 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 0.0 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 0.0 |
| 45 | 181839067117 | 0.0 |
| 46 | 171739066651 | 0.0 |
| 47 | 171739069165 | 0.0 |
| 48 | 181839072302 | 0.0 |
| 49 | 201539067019 | 0.0 |
| 50 | 19129054134 | 0.0 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 0.0 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Ethique, déontologie et Propriété Intellectuelle / Section

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839067933 | 0.0 |
| 2 | 21069058130 | 0.0 |
| 3 | 171739074827 | 0.0 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 0.0 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 0.0 |
| 8 | 181839068462 | 0.0 |
| 9 | 171739071456 | 0.0 |
| 10 | 181839062710 | 0.0 |
| 11 | 161639073148 | 0.0 |
| 12 | 18119048382 | 0.0 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 0.0 |
| 15 | 181839066556 | 0.0 |
| 16 | 181839072368 | 0.0 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 0.0 |
| 19 | 171739065462 | 0.0 |
| 20 | 171739081103 | 0.0 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 0.0 |
| 23 | 171739070519 | 0.0 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 0.0 |
| 26 | 161739082350 | 0.0 |
| 27 | 171739071180 | 0.0 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 0.0 |
| 30 | 181839073623 | 0.0 |
| 31 | 181839069473 | 0.0 |
| 32 | 181839062954 | 0.0 |
| 33 | 181839065214 | 0.0 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 0.0 |
| 36 | 181839071168 | 0.0 |
| 37 | 161639076828 | 0.0 |
| 38 | 181839063268 | 0.0 |
| 39 | 181839066353 | 0.0 |
| 40 | 181839067143 | 0.0 |
| 41 | 171739076008 | 0.0 |
| 42 | 181839072339 | 0.0 |
| 43 | 181839064093 | 0.0 |
| 44 | 171739069177 | 0.0 |
| 45 | 171739072841 | 0.0 |
| 46 | 161639065380 | 0.0 |
| 47 | 211539067649 | 0.0 |
| 48 | 211339031941 | 0.0 |
| 49 | 21109042733 | 0.0 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Ethique, déontologie et Propriété Intellectuelle / Section

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839066572 | 0.0 |
| 2 | 181839068281 | 0.0 |
| 3 | 181839069477 | 0.0 |
| 4 | 181839072372 | 0.0 |
| 5 | 181839072343 | 0.0 |
| 6 | 181839071899 | 0.0 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 0.0 |
| 9 | 181839069046 | 0.0 |
| 10 | 181839071169 | 0.0 |
| 11 | 171739082354 | 0.0 |
| 12 | 171739069202 | 0.0 |
| 13 | 181839066965 | 0.0 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 0.0 |
| 16 | 181839064483 | 0.0 |
| 17 | 181839062996 | 0.0 |
| 18 | 171739064622 | 0.0 |
| 19 | 161639070870 | 0.0 |
| 20 | 181839070297 | 0.0 |
| 21 | 171739067104 | 0.0 |
| 22 | 171739074830 | 0.0 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 0.0 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 0.0 |
| 30 | 181839068464 | 0.0 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 0.0 |
| 33 | 181839073637 | 0.0 |
| 34 | 171739065695 | 0.0 |
| 35 | 181839063269 | 0.0 |
| 36 | 171739051965 | 0.0 |
| 37 | 171739070668 | 0.0 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 0.0 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 0.0 |
| 42 | 161639067400 | 0.0 |
| 43 | 181839065636 | 0.0 |
| 44 | 181839065397 | 0.0 |
| 45 | 171739072843 | 0.0 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 0.0 |
| 49 | 21109042745 | 0.0 |
| 50 | 181539053219 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Ethique, déontologie et Propriété Intellectuelle / Section

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 0.0 |
| 3 | 171739072855 | 0.0 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 0.0 |
| 6 | 171739075170 | 0.0 |
| 7 | 181839069072 | 0.0 |
| 8 | 181839063208 | 0.0 |
| 9 | 171739064733 | 0.0 |
| 10 | 181839066989 | 0.0 |
| 11 | 161639068495 | 0.0 |
| 12 | 181839068812 | 0.0 |
| 13 | 161739082359 | 0.0 |
| 14 | 181839065646 | 0.0 |
| 15 | 161639074250 | 0.0 |
| 16 | 181839073668 | 0.0 |
| 17 | 181839069716 | 0.0 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 0.0 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 0.0 |
| 24 | 181839064565 | 0.0 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 0.0 |
| 27 | 171739071469 | 0.0 |
| 28 | 161639071502 | 0.0 |
| 29 | 181839067480 | 0.0 |
| 30 | 181839072344 | 0.0 |
| 31 | 181839071949 | 0.0 |
| 32 | 171739068595 | 0.0 |
| 33 | 181839071405 | 0.0 |
| 34 | 171739071186 | 0.0 |
| 35 | 171739076048 | 0.0 |
| 36 | 181839063249 | 0.0 |
| 37 | 161639065774 | 0.0 |
| 38 | 181839062744 | 0.0 |
| 39 | 181839063915 | 0.0 |
| 40 | 181839067972 | 0.0 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 0.0 |
| 43 | 171739074354 | 0.0 |
| 44 | 181839070302 | 0.0 |
| 45 | 181839065413 | 0.0 |
| 46 | 171739069277 | 0.0 |
| 47 | 171739066074 | 0.0 |
| 48 | 21129036386 | 0.0 |
| 49 | 201539074100 | 0.0 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Ethique, déontologie et Propriété Intellectuelle / Section

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 161639074312 | 0.0 |
| 2 | 161639078520 | 0.0 |
| 3 | 181839067063 | 0.0 |
| 4 | 181839067976 | 0.0 |
| 5 | 181839071455 | 0.0 |
| 6 | 171739064744 | 0.0 |
| 7 | 181839063250 | 0.0 |
| 8 | 181839069073 | 0.0 |
| 9 | 181839064076 | 0.0 |
| 10 | 181839070604 | 0.0 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 0.0 |
| 14 | 181839071969 | 0.0 |
| 15 | 21089053900 | 0.0 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 0.0 |
| 19 | 171739071710 | 0.0 |
| 20 | 181839069765 | 0.0 |
| 21 | 171739070719 | 0.0 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 0.0 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 0.0 |
| 26 | 181839072345 | 0.0 |
| 27 | 171739071280 | 0.0 |
| 28 | 171739069281 | 0.0 |
| 29 | 171739075278 | 0.0 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 0.0 |
| 32 | 181839073647 | 0.0 |
| 33 | 161639069025 | 0.0 |
| 34 | 171739082385 | 0.0 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 0.0 |
| 37 | 181539066186 | 0.0 |
| 38 | 181839068854 | 0.0 |
| 39 | 171739066078 | 0.0 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 0.0 |
| 42 | 171739070140 | 0.0 |
| 43 | 161539075147 | 0.0 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 0.0 |
| 46 | 181839067523 | 0.0 |
| 47 | 181839063225 | 0.0 |
| 48 | 211339057308 | 0.0 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Ethique, déontologie et Propriété Intellectuelle / Section

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839067978 | 0.0 |
| 2 | 171739069284 | 0.0 |
| 3 | 161639078588 | 0.0 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 0.0 |
| 6 | 181839062798 | 0.0 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 0.0 |
| 9 | 171739071382 | 0.0 |
| 10 | 171739073336 | 0.0 |
| 11 | 181839071973 | 0.0 |
| 12 | 171739064249 | 0.0 |
| 13 | 181839063231 | 0.0 |
| 14 | 21119045401 | 0.0 |
| 15 | 171739074772 | 0.0 |
| 16 | 181839067569 | 0.0 |
| 17 | 171739070194 | 0.0 |
| 18 | 181839068444 | 0.0 |
| 19 | 161639066586 | 0.0 |
| 20 | 181839064085 | 0.0 |
| 21 | 181839067616 | 0.0 |
| 22 | 161639069055 | 0.0 |
| 23 | 181539075199 | 0.0 |
| 24 | 181839065427 | 0.0 |
| 25 | 171739076304 | 0.0 |
| 26 | 181839069074 | 0.0 |
| 27 | 171739071844 | 0.0 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 0.0 |
| 31 | 181839073649 | 0.0 |
| 32 | 171739075355 | 0.0 |
| 33 | 171739067361 | 0.0 |
| 34 | 181839068980 | 0.0 |
| 35 | 161639072471 | 0.0 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 0.0 |
| 38 | 181839065661 | 0.0 |
| 39 | 181839067068 | 0.0 |
| 40 | 161639075277 | 0.0 |
| 41 | 171739069038 | 0.0 |
| 42 | 171739066304 | 0.0 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 0.0 |
| 45 | 171739070779 | 0.0 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 0.0 |
| 48 | 211539079159 | 0.0 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 0.0 |
| 51 | 201439055911 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Ethique, déontologie et Propriété Intellectuelle / Section

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 171739071394 | 0.0 |
| 2 | 181839068982 | 0.0 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 0.0 |
| 6 | 181839067113 | 0.0 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 0.0 |
| 9 | 161631029915 | 0.0 |
| 10 | 181839062881 | 0.0 |
| 11 | 171739069116 | 0.0 |
| 12 | 181839066629 | 0.0 |
| 13 | 181839064789 | 0.0 |
| 14 | 171739075375 | 0.0 |
| 15 | 181839072355 | 0.0 |
| 16 | 181839063232 | 0.0 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 0.0 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 0.0 |
| 21 | 161639067288 | 0.0 |
| 22 | 171739070795 | 0.0 |
| 23 | 181839064088 | 0.0 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 0.0 |
| 26 | 161639069099 | 0.0 |
| 27 | 181839073658 | 0.0 |
| 28 | 181839071974 | 0.0 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 0.0 |
| 31 | 181836048869 | 0.0 |
| 32 | 171739071900 | 0.0 |
| 33 | 181839066301 | 0.0 |
| 34 | 19119046664 | 0.0 |
| 35 | 171739067697 | 0.0 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 0.0 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 0.0 |
| 40 | 161639075395 | 0.0 |
| 41 | 171739076306 | 0.0 |
| 42 | 181839070196 | 0.0 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 0.0 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 0.0 |
| 48 | 20129045617 | 0.0 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Fours et Chaudières / Section A / 1

| # | Matricule | CC |
|----|--------------|------|
| 1 | 171739071445 | 10.0 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 11.4 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 10.0 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 10.0 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 1.0 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 0.0 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 0.0 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 18.0 |
| 18 | 181839067606 | 9.0 |
| 19 | 161639072619 | 10.0 |
| 20 | 21069056594 | 11.0 |
| 21 | 171739072831 | 8.2 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 6.8 |
| 24 | 181839073660 | 1.0 |
| 25 | 171739074823 | 10.0 |
| 26 | 181839069464 | 17.0 |
| 27 | 171739064444 | 8.8 |
| 28 | 161639083633 | 0.0 |
| 29 | 161639070123 | 10.0 |
| 30 | 181839066640 | 14.0 |
| 31 | 181839072367 | 5.0 |
| 32 | 181839050744 | 3.0 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 1.0 |
| 35 | 181839066324 | 13.0 |
| 36 | 181839065601 | 11.0 |
| 37 | 181839068244 | 10.0 |
| 38 | 181839063259 | 12.0 |
| 39 | 171739065346 | 6.0 |
| 40 | 161639067341 | 0.0 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 11.8 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 11.0 |
| 45 | 181839067117 | 0.0 |
| 46 | 171739066651 | 10.0 |
| 47 | 171739069165 | 10.0 |
| 48 | 181839072302 | 0.0 |
| 49 | 201539067019 | 1.0 |
| 50 | 19129054134 | 8.0 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 13.2 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Fours et Chaudières / Section A / 2

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839067933 | 3.0 |
| 2 | 21069058130 | 0.0 |
| 3 | 171739074827 | 10.8 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 0.0 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 1.0 |
| 8 | 181839068462 | 10.0 |
| 9 | 171739071456 | 10.0 |
| 10 | 181839062710 | 2.0 |
| 11 | 161639073148 | 10.0 |
| 12 | 18119048382 | 9.0 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 7.0 |
| 15 | 181839066556 | 12.0 |
| 16 | 181839072368 | 13.0 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 5.0 |
| 19 | 171739065462 | 12.0 |
| 20 | 171739081103 | 10.0 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 13.0 |
| 23 | 171739070519 | 10.2 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 13.0 |
| 26 | 161739082350 | 10.0 |
| 27 | 171739071180 | 4.0 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 11.0 |
| 30 | 181839073623 | 10.0 |
| 31 | 181839069473 | 8.0 |
| 32 | 181839062954 | 2.0 |
| 33 | 181839065214 | 10.0 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 12.0 |
| 36 | 181839071168 | 6.0 |
| 37 | 161639076828 | 0.0 |
| 38 | 181839063268 | 0.0 |
| 39 | 181839066353 | 5.0 |
| 40 | 181839067143 | 0.0 |
| 41 | 171739076008 | 8.8 |
| 42 | 181839072339 | 7.0 |
| 43 | 181839064093 | 14.0 |
| 44 | 171739069177 | 10.0 |
| 45 | 171739072841 | 10.8 |
| 46 | 161639065380 | 9.2 |
| 47 | 211539067649 | 6.0 |
| 48 | 211339031941 | 6.0 |
| 49 | 21109042733 | 2.0 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Fours et Chaudières / Section A / 3

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839066572 | 8.0 |
| 2 | 181839068281 | 14.0 |
| 3 | 181839069477 | 6.0 |
| 4 | 181839072372 | 7.0 |
| 5 | 181839072343 | 8.0 |
| 6 | 181839071899 | 5.0 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 6.0 |
| 9 | 181839069046 | 4.0 |
| 10 | 181839071169 | 0.0 |
| 11 | 171739082354 | 5.0 |
| 12 | 171739069202 | 10.0 |
| 13 | 181839066965 | 5.0 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 5.0 |
| 16 | 181839064483 | 16.0 |
| 17 | 181839062996 | 3.0 |
| 18 | 171739064622 | 3.0 |
| 19 | 161639070870 | 10.0 |
| 20 | 181839070297 | 14.0 |
| 21 | 171739067104 | 11.0 |
| 22 | 171739074830 | 0.0 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 10.0 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 0.0 |
| 30 | 181839068464 | 9.0 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 6.0 |
| 33 | 181839073637 | 1.0 |
| 34 | 171739065695 | 8.0 |
| 35 | 181839063269 | 14.0 |
| 36 | 171739051965 | 2.0 |
| 37 | 171739070668 | 8.4 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 10.0 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 7.0 |
| 42 | 161639067400 | 4.0 |
| 43 | 181839065636 | 13.0 |
| 44 | 181839065397 | 5.0 |
| 45 | 171739072843 | 10.8 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 11.0 |
| 49 | 21109042745 | 9.0 |
| 50 | 181539053219 | 11.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Fours et Chaudières / Section A / 4

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 0.0 |
| 3 | 171739072855 | 10.0 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 3.0 |
| 6 | 171739075170 | 3.0 |
| 7 | 181839069072 | 5.0 |
| 8 | 181839063208 | 14.0 |
| 9 | 171739064733 | 0.0 |
| 10 | 181839066989 | 0.0 |
| 11 | 161639068495 | 6.4 |
| 12 | 181839068812 | 15.0 |
| 13 | 161739082359 | 10.4 |
| 14 | 181839065646 | 12.0 |
| 15 | 161639074250 | 3.0 |
| 16 | 181839073668 | 0.0 |
| 17 | 181839069716 | 0.0 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 0.0 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 5.0 |
| 24 | 181839064565 | 0.0 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 4.0 |
| 27 | 171739071469 | 10.8 |
| 28 | 161639071502 | 1.0 |
| 29 | 181839067480 | 13.0 |
| 30 | 181839072344 | 0.0 |
| 31 | 181839071949 | 13.0 |
| 32 | 171739068595 | 0.0 |
| 33 | 181839071405 | 4.0 |
| 34 | 171739071186 | 14.0 |
| 35 | 171739076048 | 12.0 |
| 36 | 181839063249 | 12.0 |
| 37 | 161639065774 | 0.0 |
| 38 | 181839062744 | 7.0 |
| 39 | 181839063915 | 3.0 |
| 40 | 181839067972 | 8.0 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 7.0 |
| 43 | 171739074354 | 13.6 |
| 44 | 181839070302 | 10.0 |
| 45 | 181839065413 | 2.0 |
| 46 | 171739069277 | 7.0 |
| 47 | 171739066074 | 10.0 |
| 48 | 21129036386 | 0.0 |
| 49 | 201539074100 | 0.0 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Fours et Chaudières / Section A / 5

| # | Matricule | CC |
|----|--------------|------|
| 1 | 161639074312 | 0.0 |
| 2 | 161639078520 | 15.6 |
| 3 | 181839067063 | 8.0 |
| 4 | 181839067976 | 8.0 |
| 5 | 181839071455 | 9.0 |
| 6 | 171739064744 | 9.6 |
| 7 | 181839063250 | 10.0 |
| 8 | 181839069073 | 10.0 |
| 9 | 181839064076 | 12.0 |
| 10 | 181839070604 | 10.0 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 5.0 |
| 14 | 181839071969 | 13.0 |
| 15 | 21089053900 | 4.0 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 0.0 |
| 19 | 171739071710 | 9.0 |
| 20 | 181839069765 | 0.0 |
| 21 | 171739070719 | 8.0 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 2.0 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 0.0 |
| 26 | 181839072345 | 8.0 |
| 27 | 171739071280 | 15.0 |
| 28 | 171739069281 | 12.4 |
| 29 | 171739075278 | 10.0 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 8.8 |
| 32 | 181839073647 | 5.0 |
| 33 | 161639069025 | 8.0 |
| 34 | 171739082385 | 10.4 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 8.0 |
| 37 | 181539066186 | 9.2 |
| 38 | 181839068854 | 11.0 |
| 39 | 171739066078 | 12.4 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 11.0 |
| 42 | 171739070140 | 4.0 |
| 43 | 161539075147 | 0.0 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 0.0 |
| 46 | 181839067523 | 6.0 |
| 47 | 181839063225 | 10.0 |
| 48 | 211339057308 | 8.0 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Fours et Chaudières / Section A / 6

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839067978 | 0.0 |
| 2 | 171739069284 | 10.0 |
| 3 | 161639078588 | 12.4 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 0.0 |
| 6 | 181839062798 | 0.0 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 15.0 |
| 9 | 171739071382 | 3.0 |
| 10 | 171739073336 | 4.0 |
| 11 | 181839071973 | 5.0 |
| 12 | 171739064249 | 6.0 |
| 13 | 181839063231 | 7.0 |
| 14 | 21119045401 | 4.0 |
| 15 | 171739074772 | 7.0 |
| 16 | 181839067569 | 15.0 |
| 17 | 171739070194 | 7.0 |
| 18 | 181839068444 | 8.0 |
| 19 | 161639066586 | 12.0 |
| 20 | 181839064085 | 0.0 |
| 21 | 181839067616 | 0.0 |
| 22 | 161639069055 | 2.0 |
| 23 | 181539075199 | 14.0 |
| 24 | 181839065427 | 7.0 |
| 25 | 171739076304 | 5.0 |
| 26 | 181839069074 | 4.0 |
| 27 | 171739071844 | 13.0 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 11.0 |
| 31 | 181839073649 | 5.0 |
| 32 | 171739075355 | 5.0 |
| 33 | 171739067361 | 10.0 |
| 34 | 181839068980 | 9.0 |
| 35 | 161639072471 | 8.0 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 7.0 |
| 38 | 181839065661 | 10.0 |
| 39 | 181839067068 | 6.0 |
| 40 | 161639075277 | 11.0 |
| 41 | 171739069038 | 10.0 |
| 42 | 171739066304 | 7.6 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 11.0 |
| 45 | 171739070779 | 10.4 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 2.0 |
| 48 | 211539079159 | 6.0 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 6.0 |
| 51 | 201439055911 | 11.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Fours et Chaudières / Section A / 7

| # | Matricule | CC |
|----|--------------|------|
| 1 | 171739071394 | 8.2 |
| 2 | 181839068982 | 6.0 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 8.2 |
| 6 | 181839067113 | 5.0 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 8.0 |
| 9 | 161631029915 | 9.0 |
| 10 | 181839062881 | 6.0 |
| 11 | 171739069116 | 0.0 |
| 12 | 181839066629 | 4.0 |
| 13 | 181839064789 | 14.0 |
| 14 | 171739075375 | 8.4 |
| 15 | 181839072355 | 2.0 |
| 16 | 181839063232 | 14.0 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 0.0 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 12.0 |
| 21 | 161639067288 | 8.4 |
| 22 | 171739070795 | 10.0 |
| 23 | 181839064088 | 6.0 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 0.0 |
| 26 | 161639069099 | 9.6 |
| 27 | 181839073658 | 5.0 |
| 28 | 181839071974 | 7.0 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 10.2 |
| 31 | 181836048869 | 10.0 |
| 32 | 171739071900 | 7.0 |
| 33 | 181839066301 | 6.0 |
| 34 | 19119046664 | 8.0 |
| 35 | 171739067697 | 8.0 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 0.0 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 7.0 |
| 40 | 161639075395 | 10.4 |
| 41 | 171739076306 | 7.0 |
| 42 | 181839070196 | 7.0 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 10.4 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 10.0 |
| 48 | 20129045617 | 10.2 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Génie de la Réaction II : Réacteurs Poly-Phasiques /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071445 | 11.88 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 12.52 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 11.3 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 11.3 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 10.08 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 9.0 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 10.9 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 16.7 |
| 18 | 181839067606 | 13.1 |
| 19 | 161639072619 | 12.84 |
| 20 | 21069056594 | 10.9 |
| 21 | 171739072831 | 12.24 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 14.44 |
| 24 | 181839073660 | 9.0 |
| 25 | 171739074823 | 11.32 |
| 26 | 181839069464 | 11.5 |
| 27 | 171739064444 | 12.4 |
| 28 | 161639083633 | 10.2 |
| 29 | 161639070123 | 12.4 |
| 30 | 181839066640 | 9.5 |
| 31 | 181839072367 | 9.0 |
| 32 | 181839050744 | 16.7 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 14.7 |
| 35 | 181839066324 | 14.5 |
| 36 | 181839065601 | 15.9 |
| 37 | 181839068244 | 14.3 |
| 38 | 181839063259 | 10.1 |
| 39 | 171739065346 | 14.3 |
| 40 | 161639067341 | 0.0 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 12.6 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 9.0 |
| 45 | 181839067117 | 0.0 |
| 46 | 171739066651 | 11.92 |
| 47 | 171739069165 | 13.9 |
| 48 | 181839072302 | 0.0 |
| 49 | 201539067019 | 11.4 |
| 50 | 19129054134 | 12.16 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 11.44 |
| 53 | 21129045350 | 10.5 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Génie de la Réaction II : Réacteurs Poly-Phasiques /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839067933 | 14.5 |
| 2 | 21069058130 | 0.0 |
| 3 | 171739074827 | 12.16 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 0.0 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 13.1 |
| 8 | 181839068462 | 11.5 |
| 9 | 171739071456 | 10.2 |
| 10 | 181839062710 | 13.8 |
| 11 | 161639073148 | 11.2 |
| 12 | 18119048382 | 9.0 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 12.3 |
| 15 | 181839066556 | 12.3 |
| 16 | 181839072368 | 13.1 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 13.1 |
| 19 | 171739065462 | 13.8 |
| 20 | 171739081103 | 12.0 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 9.0 |
| 23 | 171739070519 | 13.48 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 13.8 |
| 26 | 161739082350 | 18.7 |
| 27 | 171739071180 | 11.08 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 9.0 |
| 30 | 181839073623 | 9.0 |
| 31 | 181839069473 | 11.5 |
| 32 | 181839062954 | 14.2 |
| 33 | 181839065214 | 15.8 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 10.9 |
| 36 | 181839071168 | 11.5 |
| 37 | 161639076828 | 0.0 |
| 38 | 181839063268 | 11.4 |
| 39 | 181839066353 | 11.8 |
| 40 | 181839067143 | 0.0 |
| 41 | 171739076008 | 12.16 |
| 42 | 181839072339 | 14.7 |
| 43 | 181839064093 | 9.6 |
| 44 | 171739069177 | 0.0 |
| 45 | 171739072841 | 10.2 |
| 46 | 161639065380 | 10.88 |
| 47 | 211539067649 | 11.9 |
| 48 | 211339031941 | 9.0 |
| 49 | 21109042733 | 10.9 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Génie de la Réaction II : Réacteurs Poly-Phasiques /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839066572 | 15.3 |
| 2 | 181839068281 | 10.9 |
| 3 | 181839069477 | 9.3 |
| 4 | 181839072372 | 9.0 |
| 5 | 181839072343 | 9.0 |
| 6 | 181839071899 | 11.7 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 10.2 |
| 9 | 181839069046 | 11.3 |
| 10 | 181839071169 | 14.7 |
| 11 | 171739082354 | 10.1 |
| 12 | 171739069202 | 14.7 |
| 13 | 181839066965 | 11.7 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 9.0 |
| 16 | 181839064483 | 12.3 |
| 17 | 181839062996 | 15.3 |
| 18 | 171739064622 | 9.3 |
| 19 | 161639070870 | 12.3 |
| 20 | 181839070297 | 15.3 |
| 21 | 171739067104 | 9.0 |
| 22 | 171739074830 | 10.12 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 15.04 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 11.16 |
| 30 | 181839068464 | 11.5 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 8.0 |
| 33 | 181839073637 | 9.0 |
| 34 | 171739065695 | 10.68 |
| 35 | 181839063269 | 10.9 |
| 36 | 171739051965 | 8.7 |
| 37 | 171739070668 | 13.0 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 11.4 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 17.95 |
| 42 | 161639067400 | 11.4 |
| 43 | 181839065636 | 15.9 |
| 44 | 181839065397 | 9.3 |
| 45 | 171739072843 | 10.96 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 9.5 |
| 49 | 21109042745 | 13.9 |
| 50 | 181539053219 | 10.56 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Génie de la Réaction II : Réacteurs Poly-Phasiques /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 9.0 |
| 3 | 171739072855 | 12.0 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 15.6 |
| 6 | 171739075170 | 12.0 |
| 7 | 181839069072 | 9.0 |
| 8 | 181839063208 | 17.8 |
| 9 | 171739064733 | 0.0 |
| 10 | 181839066989 | 13.0 |
| 11 | 161639068495 | 14.04 |
| 12 | 181839068812 | 15.6 |
| 13 | 161739082359 | 9.6 |
| 14 | 181839065646 | 13.8 |
| 15 | 161639074250 | 11.0 |
| 16 | 181839073668 | 12.0 |
| 17 | 181839069716 | 9.0 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 12.0 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 9.6 |
| 24 | 181839064565 | 10.6 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 10.2 |
| 27 | 171739071469 | 11.4 |
| 28 | 161639071502 | 0.0 |
| 29 | 181839067480 | 18.4 |
| 30 | 181839072344 | 6.6 |
| 31 | 181839071949 | 6.0 |
| 32 | 171739068595 | 12.0 |
| 33 | 181839071405 | 10.2 |
| 34 | 171739071186 | 12.6 |
| 35 | 171739076048 | 13.8 |
| 36 | 181839063249 | 10.0 |
| 37 | 161639065774 | 11.16 |
| 38 | 181839062744 | 15.0 |
| 39 | 181839063915 | 12.0 |
| 40 | 181839067972 | 12.0 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 14.4 |
| 43 | 171739074354 | 15.0 |
| 44 | 181839070302 | 13.0 |
| 45 | 181839065413 | 17.4 |
| 46 | 171739069277 | 10.12 |
| 47 | 171739066074 | 12.76 |
| 48 | 21129036386 | 9.0 |
| 49 | 201539074100 | 10.6 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Génie de la Réaction II : Réacteurs Poly-Phasiques /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 161639074312 | 11.04 |
| 2 | 161639078520 | 7.8 |
| 3 | 181839067063 | 14.7 |
| 4 | 181839067976 | 15.5 |
| 5 | 181839071455 | 13.1 |
| 6 | 171739064744 | 12.4 |
| 7 | 181839063250 | 13.5 |
| 8 | 181839069073 | 10.3 |
| 9 | 181839064076 | 13.1 |
| 10 | 181839070604 | 12.3 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 13.9 |
| 14 | 181839071969 | 12.3 |
| 15 | 21089053900 | 13.9 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 12.3 |
| 19 | 171739071710 | 10.56 |
| 20 | 181839069765 | 8.5 |
| 21 | 171739070719 | 11.1 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 14.7 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 12.3 |
| 26 | 181839072345 | 10.5 |
| 27 | 171739071280 | 11.88 |
| 28 | 171739069281 | 11.56 |
| 29 | 171739075278 | 11.16 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 12.12 |
| 32 | 181839073647 | 11.5 |
| 33 | 161639069025 | 11.5 |
| 34 | 171739082385 | 15.36 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 13.9 |
| 37 | 181539066186 | 11.16 |
| 38 | 181839068854 | 8.5 |
| 39 | 171739066078 | 10.72 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 10.5 |
| 42 | 171739070140 | 9.5 |
| 43 | 161539075147 | 12.3 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 11.64 |
| 46 | 181839067523 | 11.5 |
| 47 | 181839063225 | 9.3 |
| 48 | 211339057308 | 11.5 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Génie de la Réaction II : Réacteurs Poly-Phasiques /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839067978 | 13.1 |
| 2 | 171739069284 | 11.4 |
| 3 | 161639078588 | 10.8 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 13.3 |
| 6 | 181839062798 | 12.3 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 15.5 |
| 9 | 171739071382 | 0.0 |
| 10 | 171739073336 | 9.3 |
| 11 | 181839071973 | 11.5 |
| 12 | 171739064249 | 10.1 |
| 13 | 181839063231 | 14.5 |
| 14 | 21119045401 | 8.5 |
| 15 | 171739074772 | 10.68 |
| 16 | 181839067569 | 0.0 |
| 17 | 171739070194 | 12.16 |
| 18 | 181839068444 | 14.3 |
| 19 | 161639066586 | 9.8 |
| 20 | 181839064085 | 12.3 |
| 21 | 181839067616 | 8.0 |
| 22 | 161639069055 | 11.5 |
| 23 | 181539075199 | 9.3 |
| 24 | 181839065427 | 9.3 |
| 25 | 171739076304 | 10.2 |
| 26 | 181839069074 | 14.5 |
| 27 | 171739071844 | 15.16 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 13.1 |
| 31 | 181839073649 | 9.0 |
| 32 | 171739075355 | 9.0 |
| 33 | 171739067361 | 14.7 |
| 34 | 181839068980 | 11.5 |
| 35 | 161639072471 | 14.8 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 13.1 |
| 38 | 181839065661 | 15.9 |
| 39 | 181839067068 | 13.1 |
| 40 | 161639075277 | 11.16 |
| 41 | 171739069038 | 16.1 |
| 42 | 171739066304 | 12.6 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 13.3 |
| 45 | 171739070779 | 11.4 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 4.5 |
| 48 | 211539079159 | 12.7 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 12.7 |
| 51 | 201439055911 | 10.44 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Génie de la Réaction II : Réacteurs Poly-Phasiques /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071394 | 12.0 |
| 2 | 181839068982 | 11.5 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 12.24 |
| 6 | 181839067113 | 9.3 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 14.5 |
| 9 | 161631029915 | 11.5 |
| 10 | 181839062881 | 17.9 |
| 11 | 171739069116 | 10.8 |
| 12 | 181839066629 | 7.4 |
| 13 | 181839064789 | 10.1 |
| 14 | 171739075375 | 12.28 |
| 15 | 181839072355 | 14.5 |
| 16 | 181839063232 | 12.5 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 10.44 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 13.1 |
| 21 | 161639067288 | 14.04 |
| 22 | 171739070795 | 10.76 |
| 23 | 181839064088 | 11.7 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 9.5 |
| 26 | 161639069099 | 11.4 |
| 27 | 181839073658 | 8.5 |
| 28 | 181839071974 | 9.3 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 10.2 |
| 31 | 181836048869 | 15.1 |
| 32 | 171739071900 | 10.72 |
| 33 | 181839066301 | 11.5 |
| 34 | 19119046664 | 12.3 |
| 35 | 171739067697 | 15.9 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 11.8 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 12.04 |
| 40 | 161639075395 | 10.56 |
| 41 | 171739076306 | 11.32 |
| 42 | 181839070196 | 11.5 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 11.16 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 11.5 |
| 48 | 20129045617 | 0.0 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Opération Unitaires II (Humidification-Séchage -

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071445 | 4.85 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 8.95 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 7.0 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 7.05 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 8.2 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 5.6 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 5.2 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 11.2 |
| 18 | 181839067606 | 8.0 |
| 19 | 161639072619 | 9.7 |
| 20 | 21069056594 | 10.0 |
| 21 | 171739072831 | 8.0 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 7.25 |
| 24 | 181839073660 | 6.45 |
| 25 | 171739074823 | 9.0 |
| 26 | 181839069464 | 10.8 |
| 27 | 171739064444 | 6.0 |
| 28 | 161639083633 | 0.0 |
| 29 | 161639070123 | 7.1 |
| 30 | 181839066640 | 8.85 |
| 31 | 181839072367 | 8.85 |
| 32 | 181839050744 | 7.25 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 6.55 |
| 35 | 181839066324 | 11.3 |
| 36 | 181839065601 | 8.1 |
| 37 | 181839068244 | 7.1 |
| 38 | 181839063259 | 8.7 |
| 39 | 171739065346 | 8.3 |
| 40 | 161639067341 | 0.0 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 11.45 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 3.0 |
| 45 | 181839067117 | 0.0 |
| 46 | 171739066651 | 0.0 |
| 47 | 171739069165 | 7.5 |
| 48 | 181839072302 | 0.0 |
| 49 | 201539067019 | 7.25 |
| 50 | 19129054134 | 8.05 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 6.8 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Opération Unitaires II (Humidification-Séchage -

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839067933 | 8.3 |
| 2 | 21069058130 | 0.0 |
| 3 | 171739074827 | 0.0 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 0.0 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 7.2 |
| 8 | 181839068462 | 6.95 |
| 9 | 171739071456 | 8.8 |
| 10 | 181839062710 | 8.3 |
| 11 | 161639073148 | 7.0 |
| 12 | 18119048382 | 8.0 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 3.75 |
| 15 | 181839066556 | 9.1 |
| 16 | 181839072368 | 7.3 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 9.6 |
| 19 | 171739065462 | 7.9 |
| 20 | 171739081103 | 9.1 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 7.15 |
| 23 | 171739070519 | 5.05 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 7.6 |
| 26 | 161739082350 | 10.7 |
| 27 | 171739071180 | 10.0 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 7.15 |
| 30 | 181839073623 | 7.7 |
| 31 | 181839069473 | 10.0 |
| 32 | 181839062954 | 7.2 |
| 33 | 181839065214 | 8.6 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 6.85 |
| 36 | 181839071168 | 8.4 |
| 37 | 161639076828 | 0.0 |
| 38 | 181839063268 | 0.0 |
| 39 | 181839066353 | 7.4 |
| 40 | 181839067143 | 0.0 |
| 41 | 171739076008 | 7.0 |
| 42 | 181839072339 | 7.9 |
| 43 | 181839064093 | 6.8 |
| 44 | 171739069177 | 0.0 |
| 45 | 171739072841 | 10.0 |
| 46 | 161639065380 | 0.0 |
| 47 | 211539067649 | 6.1 |
| 48 | 211339031941 | 2.0 |
| 49 | 21109042733 | 7.95 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Opération Unitaires II (Humidification-Séchage -

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839066572 | 9.25 |
| 2 | 181839068281 | 9.4 |
| 3 | 181839069477 | 7.15 |
| 4 | 181839072372 | 7.95 |
| 5 | 181839072343 | 8.55 |
| 6 | 181839071899 | 12.05 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 6.65 |
| 9 | 181839069046 | 7.6 |
| 10 | 181839071169 | 5.6 |
| 11 | 171739082354 | 9.05 |
| 12 | 171739069202 | 7.45 |
| 13 | 181839066965 | 7.95 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 8.55 |
| 16 | 181839064483 | 7.9 |
| 17 | 181839062996 | 5.9 |
| 18 | 171739064622 | 8.15 |
| 19 | 161639070870 | 8.3 |
| 20 | 181839070297 | 9.7 |
| 21 | 171739067104 | 6.7 |
| 22 | 171739074830 | 0.0 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 7.75 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 0.0 |
| 30 | 181839068464 | 7.7 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 9.0 |
| 33 | 181839073637 | 6.75 |
| 34 | 171739065695 | 8.2 |
| 35 | 181839063269 | 0.0 |
| 36 | 171739051965 | 6.35 |
| 37 | 171739070668 | 8.45 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 4.0 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 13.85 |
| 42 | 161639067400 | 8.65 |
| 43 | 181839065636 | 8.75 |
| 44 | 181839065397 | 7.85 |
| 45 | 171739072843 | 11.7 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 11.05 |
| 49 | 21109042745 | 10.05 |
| 50 | 181539053219 | 8.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Opération Unitaires II (Humidification-Séchage -

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 4.75 |
| 3 | 171739072855 | 7.0 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 6.35 |
| 6 | 171739075170 | 7.95 |
| 7 | 181839069072 | 7.95 |
| 8 | 181839063208 | 11.35 |
| 9 | 171739064733 | 0.0 |
| 10 | 181839066989 | 6.95 |
| 11 | 161639068495 | 8.65 |
| 12 | 181839068812 | 10.7 |
| 13 | 161739082359 | 9.25 |
| 14 | 181839065646 | 0.0 |
| 15 | 161639074250 | 4.5 |
| 16 | 181839073668 | 6.3 |
| 17 | 181839069716 | 6.3 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 8.25 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 8.5 |
| 24 | 181839064565 | 7.95 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 6.2 |
| 27 | 171739071469 | 5.9 |
| 28 | 161639071502 | 6.0 |
| 29 | 181839067480 | 10.6 |
| 30 | 181839072344 | 0.0 |
| 31 | 181839071949 | 7.9 |
| 32 | 171739068595 | 0.0 |
| 33 | 181839071405 | 8.4 |
| 34 | 171739071186 | 8.75 |
| 35 | 171739076048 | 9.05 |
| 36 | 181839063249 | 10.0 |
| 37 | 161639065774 | 0.0 |
| 38 | 181839062744 | 9.9 |
| 39 | 181839063915 | 8.3 |
| 40 | 181839067972 | 9.2 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 10.0 |
| 43 | 171739074354 | 3.0 |
| 44 | 181839070302 | 8.2 |
| 45 | 181839065413 | 7.7 |
| 46 | 171739069277 | 7.1 |
| 47 | 171739066074 | 9.65 |
| 48 | 21129036386 | 10.15 |
| 49 | 201539074100 | 0.0 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Opération Unitaires II (Humidification-Séchage -

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 161639074312 | 8.75 |
| 2 | 161639078520 | 4.8 |
| 3 | 181839067063 | 6.55 |
| 4 | 181839067976 | 8.75 |
| 5 | 181839071455 | 8.15 |
| 6 | 171739064744 | 0.0 |
| 7 | 181839063250 | 9.95 |
| 8 | 181839069073 | 7.45 |
| 9 | 181839064076 | 7.25 |
| 10 | 181839070604 | 8.2 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 10.5 |
| 14 | 181839071969 | 7.85 |
| 15 | 21089053900 | 9.3 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 5.4 |
| 19 | 171739071710 | 7.55 |
| 20 | 181839069765 | 0.0 |
| 21 | 171739070719 | 7.8 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 7.25 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 7.2 |
| 26 | 181839072345 | 7.35 |
| 27 | 171739071280 | 7.7 |
| 28 | 171739069281 | 7.55 |
| 29 | 171739075278 | 7.6 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 7.75 |
| 32 | 181839073647 | 8.7 |
| 33 | 161639069025 | 11.35 |
| 34 | 171739082385 | 8.0 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 9.25 |
| 37 | 181539066186 | 0.0 |
| 38 | 181839068854 | 10.05 |
| 39 | 171739066078 | 10.85 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 7.05 |
| 42 | 171739070140 | 8.55 |
| 43 | 161539075147 | 6.85 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 0.0 |
| 46 | 181839067523 | 8.0 |
| 47 | 181839063225 | 6.25 |
| 48 | 211339057308 | 8.05 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Opération Unitaires II (Humidification-Séchage -

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839067978 | 8.3 |
| 2 | 171739069284 | 10.1 |
| 3 | 161639078588 | 4.0 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 0.0 |
| 6 | 181839062798 | 0.0 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 9.2 |
| 9 | 171739071382 | 2.0 |
| 10 | 171739073336 | 9.25 |
| 11 | 181839071973 | 8.7 |
| 12 | 171739064249 | 7.35 |
| 13 | 181839063231 | 7.35 |
| 14 | 21119045401 | 7.15 |
| 15 | 171739074772 | 7.3 |
| 16 | 181839067569 | 7.9 |
| 17 | 171739070194 | 8.9 |
| 18 | 181839068444 | 9.05 |
| 19 | 161639066586 | 0.0 |
| 20 | 181839064085 | 0.0 |
| 21 | 181839067616 | 0.0 |
| 22 | 161639069055 | 0.0 |
| 23 | 181539075199 | 8.7 |
| 24 | 181839065427 | 9.2 |
| 25 | 171739076304 | 7.9 |
| 26 | 181839069074 | 7.9 |
| 27 | 171739071844 | 7.4 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 8.65 |
| 31 | 181839073649 | 8.55 |
| 32 | 171739075355 | 7.95 |
| 33 | 171739067361 | 9.45 |
| 34 | 181839068980 | 7.95 |
| 35 | 161639072471 | 8.05 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 8.05 |
| 38 | 181839065661 | 3.75 |
| 39 | 181839067068 | 6.2 |
| 40 | 161639075277 | 7.55 |
| 41 | 171739069038 | 10.35 |
| 42 | 171739066304 | 7.2 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 6.85 |
| 45 | 171739070779 | 7.4 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 7.55 |
| 48 | 211539079159 | 11.35 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 11.5 |
| 51 | 201439055911 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Opération Unitaires II (Humidification-Séchage -

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071394 | 9.8 |
| 2 | 181839068982 | 8.35 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 9.0 |
| 6 | 181839067113 | 6.25 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 8.55 |
| 9 | 161631029915 | 7.3 |
| 10 | 181839062881 | 8.65 |
| 11 | 171739069116 | 0.0 |
| 12 | 181839066629 | 10.7 |
| 13 | 181839064789 | 8.45 |
| 14 | 171739075375 | 9.3 |
| 15 | 181839072355 | 8.3 |
| 16 | 181839063232 | 7.8 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 0.0 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 7.75 |
| 21 | 161639067288 | 0.0 |
| 22 | 171739070795 | 5.0 |
| 23 | 181839064088 | 6.8 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 5.25 |
| 26 | 161639069099 | 8.5 |
| 27 | 181839073658 | 7.35 |
| 28 | 181839071974 | 6.2 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 7.1 |
| 31 | 181836048869 | 9.25 |
| 32 | 171739071900 | 7.45 |
| 33 | 181839066301 | 8.75 |
| 34 | 19119046664 | 11.2 |
| 35 | 171739067697 | 9.35 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 0.0 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 9.4 |
| 40 | 161639075395 | 4.75 |
| 41 | 171739076306 | 11.25 |
| 42 | 181839070196 | 9.7 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 7.75 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 7.75 |
| 48 | 20129045617 | 0.0 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés d' Adsorption et Séparation Membranaire /

| # | Matricule | CC |
|----|--------------|------|
| 1 | 171739071445 | 14.0 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 10.8 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 15.0 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 15.0 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 15.4 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 10.6 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 0.0 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 14.0 |
| 18 | 181839067606 | 14.0 |
| 19 | 161639072619 | 12.4 |
| 20 | 21069056594 | 16.0 |
| 21 | 171739072831 | 13.8 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 14.2 |
| 24 | 181839073660 | 14.0 |
| 25 | 171739074823 | 11.6 |
| 26 | 181839069464 | 16.0 |
| 27 | 171739064444 | 9.2 |
| 28 | 161639083633 | 0.0 |
| 29 | 161639070123 | 15.4 |
| 30 | 181839066640 | 14.0 |
| 31 | 181839072367 | 14.0 |
| 32 | 181839050744 | 15.0 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 14.0 |
| 35 | 181839066324 | 16.0 |
| 36 | 181839065601 | 15.0 |
| 37 | 181839068244 | 14.0 |
| 38 | 181839063259 | 14.0 |
| 39 | 171739065346 | 14.0 |
| 40 | 161639067341 | 12.8 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 13.0 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 14.0 |
| 45 | 181839067117 | 14.0 |
| 46 | 171739066651 | 12.1 |
| 47 | 171739069165 | 15.0 |
| 48 | 181839072302 | 0.0 |
| 49 | 201539067019 | 14.0 |
| 50 | 19129054134 | 17.0 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 15.4 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés d' Adsorption et Séparation Membranaire /

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839067933 | 14.0 |
| 2 | 21069058130 | 0.0 |
| 3 | 171739074827 | 10.0 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 14.6 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 14.0 |
| 8 | 181839068462 | 14.0 |
| 9 | 171739071456 | 12.6 |
| 10 | 181839062710 | 14.0 |
| 11 | 161639073148 | 15.0 |
| 12 | 18119048382 | 16.0 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 15.0 |
| 15 | 181839066556 | 15.0 |
| 16 | 181839072368 | 14.0 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 0.0 |
| 19 | 171739065462 | 12.8 |
| 20 | 171739081103 | 12.8 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 14.0 |
| 23 | 171739070519 | 15.2 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 15.0 |
| 26 | 161739082350 | 14.0 |
| 27 | 171739071180 | 12.0 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 11.0 |
| 30 | 181839073623 | 14.0 |
| 31 | 181839069473 | 14.0 |
| 32 | 181839062954 | 14.0 |
| 33 | 181839065214 | 14.0 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 16.0 |
| 36 | 181839071168 | 16.0 |
| 37 | 161639076828 | 0.0 |
| 38 | 181839063268 | 16.0 |
| 39 | 181839066353 | 14.0 |
| 40 | 181839067143 | 15.0 |
| 41 | 171739076008 | 11.6 |
| 42 | 181839072339 | 14.0 |
| 43 | 181839064093 | 14.0 |
| 44 | 171739069177 | 13.2 |
| 45 | 171739072841 | 12.8 |
| 46 | 161639065380 | 17.4 |
| 47 | 211539067649 | 16.0 |
| 48 | 211339031941 | 14.0 |
| 49 | 21109042733 | 16.0 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés d' Adsorption et Séparation Membranaire /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839066572 | 15.0 |
| 2 | 181839068281 | 16.0 |
| 3 | 181839069477 | 15.0 |
| 4 | 181839072372 | 14.0 |
| 5 | 181839072343 | 14.0 |
| 6 | 181839071899 | 15.0 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 13.6 |
| 9 | 181839069046 | 15.0 |
| 10 | 181839071169 | 14.0 |
| 11 | 171739082354 | 14.0 |
| 12 | 171739069202 | 14.0 |
| 13 | 181839066965 | 14.0 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 14.0 |
| 16 | 181839064483 | 15.0 |
| 17 | 181839062996 | 15.0 |
| 18 | 171739064622 | 14.0 |
| 19 | 161639070870 | 14.0 |
| 20 | 181839070297 | 15.0 |
| 21 | 171739067104 | 14.0 |
| 22 | 171739074830 | 10.2 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 10.6 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 0.0 |
| 30 | 181839068464 | 14.0 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 14.0 |
| 33 | 181839073637 | 14.0 |
| 34 | 171739065695 | 11.8 |
| 35 | 181839063269 | 14.0 |
| 36 | 171739051965 | 14.0 |
| 37 | 171739070668 | 11.45 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 0.0 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 15.0 |
| 42 | 161639067400 | 14.2 |
| 43 | 181839065636 | 15.0 |
| 44 | 181839065397 | 14.0 |
| 45 | 171739072843 | 12.2 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 15.0 |
| 49 | 21109042745 | 16.0 |
| 50 | 181539053219 | 13.4 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés d' Adsorption et Séparation Membranaire /

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 14.0 |
| 3 | 171739072855 | 14.6 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 14.0 |
| 6 | 171739075170 | 14.0 |
| 7 | 181839069072 | 14.0 |
| 8 | 181839063208 | 14.0 |
| 9 | 171739064733 | 12.0 |
| 10 | 181839066989 | 14.0 |
| 11 | 161639068495 | 14.2 |
| 12 | 181839068812 | 15.0 |
| 13 | 161739082359 | 15.4 |
| 14 | 181839065646 | 15.0 |
| 15 | 161639074250 | 14.0 |
| 16 | 181839073668 | 14.0 |
| 17 | 181839069716 | 14.0 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 14.0 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 15.0 |
| 24 | 181839064565 | 14.0 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 14.0 |
| 27 | 171739071469 | 14.6 |
| 28 | 161639071502 | 14.0 |
| 29 | 181839067480 | 15.0 |
| 30 | 181839072344 | 0.0 |
| 31 | 181839071949 | 14.0 |
| 32 | 171739068595 | 0.0 |
| 33 | 181839071405 | 14.0 |
| 34 | 171739071186 | 14.0 |
| 35 | 171739076048 | 13.8 |
| 36 | 181839063249 | 14.0 |
| 37 | 161639065774 | 12.4 |
| 38 | 181839062744 | 14.0 |
| 39 | 181839063915 | 14.0 |
| 40 | 181839067972 | 14.0 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 14.0 |
| 43 | 171739074354 | 13.0 |
| 44 | 181839070302 | 14.0 |
| 45 | 181839065413 | 14.0 |
| 46 | 171739069277 | 10.0 |
| 47 | 171739066074 | 15.6 |
| 48 | 21129036386 | 15.0 |
| 49 | 201539074100 | 11.2 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés d' Adsorption et Séparation Membranaire /

| # | Matricule | CC |
|----|--------------|------|
| 1 | 161639074312 | 16.2 |
| 2 | 161639078520 | 15.0 |
| 3 | 181839067063 | 0.0 |
| 4 | 181839067976 | 14.0 |
| 5 | 181839071455 | 14.0 |
| 6 | 171739064744 | 12.4 |
| 7 | 181839063250 | 14.0 |
| 8 | 181839069073 | 14.0 |
| 9 | 181839064076 | 14.0 |
| 10 | 181839070604 | 15.0 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 15.0 |
| 14 | 181839071969 | 14.0 |
| 15 | 21089053900 | 15.0 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 14.0 |
| 19 | 171739071710 | 14.0 |
| 20 | 181839069765 | 14.0 |
| 21 | 171739070719 | 16.0 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 14.0 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 14.0 |
| 26 | 181839072345 | 14.0 |
| 27 | 171739071280 | 12.0 |
| 28 | 171739069281 | 12.4 |
| 29 | 171739075278 | 16.6 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 12.8 |
| 32 | 181839073647 | 14.0 |
| 33 | 161639069025 | 15.0 |
| 34 | 171739082385 | 11.6 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 14.0 |
| 37 | 181539066186 | 13.8 |
| 38 | 181839068854 | 14.0 |
| 39 | 171739066078 | 13.0 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 14.0 |
| 42 | 171739070140 | 16.0 |
| 43 | 161539075147 | 15.0 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 0.0 |
| 46 | 181839067523 | 0.0 |
| 47 | 181839063225 | 14.0 |
| 48 | 211339057308 | 15.0 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés d' Adsorption et Séparation Membranaire /

| # | Matricule | CC |
|----|--------------|------|
| 1 | 181839067978 | 14.0 |
| 2 | 171739069284 | 14.4 |
| 3 | 161639078588 | 14.6 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 14.0 |
| 6 | 181839062798 | 15.0 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 14.0 |
| 9 | 171739071382 | 11.2 |
| 10 | 171739073336 | 15.0 |
| 11 | 181839071973 | 14.0 |
| 12 | 171739064249 | 14.0 |
| 13 | 181839063231 | 14.0 |
| 14 | 21119045401 | 15.0 |
| 15 | 171739074772 | 11.6 |
| 16 | 181839067569 | 14.0 |
| 17 | 171739070194 | 15.8 |
| 18 | 181839068444 | 14.0 |
| 19 | 161639066586 | 0.0 |
| 20 | 181839064085 | 15.0 |
| 21 | 181839067616 | 14.0 |
| 22 | 161639069055 | 15.0 |
| 23 | 181539075199 | 14.0 |
| 24 | 181839065427 | 15.0 |
| 25 | 171739076304 | 10.4 |
| 26 | 181839069074 | 14.0 |
| 27 | 171739071844 | 10.8 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 14.0 |
| 31 | 181839073649 | 14.0 |
| 32 | 171739075355 | 14.0 |
| 33 | 171739067361 | 14.0 |
| 34 | 181839068980 | 16.0 |
| 35 | 161639072471 | 16.0 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 14.0 |
| 38 | 181839065661 | 15.0 |
| 39 | 181839067068 | 14.0 |
| 40 | 161639075277 | 14.6 |
| 41 | 171739069038 | 14.0 |
| 42 | 171739066304 | 10.6 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 15.0 |
| 45 | 171739070779 | 12.2 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 15.0 |
| 48 | 211539079159 | 14.0 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 15.0 |
| 51 | 201439055911 | 14.2 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés d' Adsorption et Séparation Membranaire /

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071394 | 13.2 |
| 2 | 181839068982 | 14.0 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 10.85 |
| 6 | 181839067113 | 14.0 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 14.0 |
| 9 | 161631029915 | 15.0 |
| 10 | 181839062881 | 14.0 |
| 11 | 171739069116 | 15.8 |
| 12 | 181839066629 | 0.0 |
| 13 | 181839064789 | 14.0 |
| 14 | 171739075375 | 15.4 |
| 15 | 181839072355 | 14.0 |
| 16 | 181839063232 | 14.0 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 13.0 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 14.0 |
| 21 | 161639067288 | 13.0 |
| 22 | 171739070795 | 14.6 |
| 23 | 181839064088 | 14.0 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 14.0 |
| 26 | 161639069099 | 10.0 |
| 27 | 181839073658 | 14.0 |
| 28 | 181839071974 | 14.0 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 14.6 |
| 31 | 181836048869 | 14.0 |
| 32 | 171739071900 | 15.6 |
| 33 | 181839066301 | 14.0 |
| 34 | 19119046664 | 15.0 |
| 35 | 171739067697 | 15.0 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 14.0 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 12.6 |
| 40 | 161639075395 | 11.4 |
| 41 | 171739076306 | 10.8 |
| 42 | 181839070196 | 14.0 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 11.2 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 15.0 |
| 48 | 20129045617 | 13.6 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés Propres-Chimie verte / Section A / 1

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 171739071445 | 0.0 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 0.0 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 0.0 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 0.0 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 0.0 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 0.0 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 0.0 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 0.0 |
| 18 | 181839067606 | 0.0 |
| 19 | 161639072619 | 0.0 |
| 20 | 21069056594 | 0.0 |
| 21 | 171739072831 | 0.0 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 0.0 |
| 24 | 181839073660 | 0.0 |
| 25 | 171739074823 | 0.0 |
| 26 | 181839069464 | 0.0 |
| 27 | 171739064444 | 0.0 |
| 28 | 161639083633 | 0.0 |
| 29 | 161639070123 | 0.0 |
| 30 | 181839066640 | 0.0 |
| 31 | 181839072367 | 0.0 |
| 32 | 181839050744 | 0.0 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 0.0 |
| 35 | 181839066324 | 0.0 |
| 36 | 181839065601 | 0.0 |
| 37 | 181839068244 | 0.0 |
| 38 | 181839063259 | 0.0 |
| 39 | 171739065346 | 0.0 |
| 40 | 161639067341 | 0.0 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 0.0 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 0.0 |
| 45 | 181839067117 | 0.0 |
| 46 | 171739066651 | 0.0 |
| 47 | 171739069165 | 0.0 |
| 48 | 181839072302 | 0.0 |
| 49 | 201539067019 | 0.0 |
| 50 | 19129054134 | 0.0 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 0.0 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés Propres-Chimie verte / Section A / 2

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839067933 | 0.0 |
| 2 | 21069058130 | 0.0 |
| 3 | 171739074827 | 0.0 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 0.0 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 0.0 |
| 8 | 181839068462 | 0.0 |
| 9 | 171739071456 | 0.0 |
| 10 | 181839062710 | 0.0 |
| 11 | 161639073148 | 0.0 |
| 12 | 18119048382 | 0.0 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 0.0 |
| 15 | 181839066556 | 0.0 |
| 16 | 181839072368 | 0.0 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 0.0 |
| 19 | 171739065462 | 0.0 |
| 20 | 171739081103 | 0.0 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 0.0 |
| 23 | 171739070519 | 0.0 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 0.0 |
| 26 | 161739082350 | 0.0 |
| 27 | 171739071180 | 0.0 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 0.0 |
| 30 | 181839073623 | 0.0 |
| 31 | 181839069473 | 0.0 |
| 32 | 181839062954 | 0.0 |
| 33 | 181839065214 | 0.0 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 0.0 |
| 36 | 181839071168 | 0.0 |
| 37 | 161639076828 | 0.0 |
| 38 | 181839063268 | 0.0 |
| 39 | 181839066353 | 0.0 |
| 40 | 181839067143 | 0.0 |
| 41 | 171739076008 | 0.0 |
| 42 | 181839072339 | 0.0 |
| 43 | 181839064093 | 0.0 |
| 44 | 171739069177 | 0.0 |
| 45 | 171739072841 | 0.0 |
| 46 | 161639065380 | 0.0 |
| 47 | 211539067649 | 0.0 |
| 48 | 211339031941 | 0.0 |
| 49 | 21109042733 | 0.0 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés Propres-Chimie verte / Section A / 3

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839066572 | 0.0 |
| 2 | 181839068281 | 0.0 |
| 3 | 181839069477 | 0.0 |
| 4 | 181839072372 | 0.0 |
| 5 | 181839072343 | 0.0 |
| 6 | 181839071899 | 0.0 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 0.0 |
| 9 | 181839069046 | 0.0 |
| 10 | 181839071169 | 0.0 |
| 11 | 171739082354 | 0.0 |
| 12 | 171739069202 | 0.0 |
| 13 | 181839066965 | 0.0 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 0.0 |
| 16 | 181839064483 | 0.0 |
| 17 | 181839062996 | 0.0 |
| 18 | 171739064622 | 0.0 |
| 19 | 161639070870 | 0.0 |
| 20 | 181839070297 | 0.0 |
| 21 | 171739067104 | 0.0 |
| 22 | 171739074830 | 0.0 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 0.0 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 0.0 |
| 30 | 181839068464 | 0.0 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 0.0 |
| 33 | 181839073637 | 0.0 |
| 34 | 171739065695 | 0.0 |
| 35 | 181839063269 | 0.0 |
| 36 | 171739051965 | 0.0 |
| 37 | 171739070668 | 0.0 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 0.0 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 0.0 |
| 42 | 161639067400 | 0.0 |
| 43 | 181839065636 | 0.0 |
| 44 | 181839065397 | 0.0 |
| 45 | 171739072843 | 0.0 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 0.0 |
| 49 | 21109042745 | 0.0 |
| 50 | 181539053219 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés Propres-Chimie verte / Section A / 4

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 0.0 |
| 3 | 171739072855 | 0.0 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 0.0 |
| 6 | 171739075170 | 0.0 |
| 7 | 181839069072 | 0.0 |
| 8 | 181839063208 | 0.0 |
| 9 | 171739064733 | 0.0 |
| 10 | 181839066989 | 0.0 |
| 11 | 161639068495 | 0.0 |
| 12 | 181839068812 | 0.0 |
| 13 | 161739082359 | 0.0 |
| 14 | 181839065646 | 0.0 |
| 15 | 161639074250 | 0.0 |
| 16 | 181839073668 | 0.0 |
| 17 | 181839069716 | 0.0 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 0.0 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 0.0 |
| 24 | 181839064565 | 0.0 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 0.0 |
| 27 | 171739071469 | 0.0 |
| 28 | 161639071502 | 0.0 |
| 29 | 181839067480 | 0.0 |
| 30 | 181839072344 | 0.0 |
| 31 | 181839071949 | 0.0 |
| 32 | 171739068595 | 0.0 |
| 33 | 181839071405 | 0.0 |
| 34 | 171739071186 | 0.0 |
| 35 | 171739076048 | 0.0 |
| 36 | 181839063249 | 0.0 |
| 37 | 161639065774 | 0.0 |
| 38 | 181839062744 | 0.0 |
| 39 | 181839063915 | 0.0 |
| 40 | 181839067972 | 0.0 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 0.0 |
| 43 | 171739074354 | 0.0 |
| 44 | 181839070302 | 0.0 |
| 45 | 181839065413 | 0.0 |
| 46 | 171739069277 | 0.0 |
| 47 | 171739066074 | 0.0 |
| 48 | 21129036386 | 0.0 |
| 49 | 201539074100 | 0.0 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés Propres-Chimie verte / Section A / 5

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 161639074312 | 0.0 |
| 2 | 161639078520 | 0.0 |
| 3 | 181839067063 | 0.0 |
| 4 | 181839067976 | 0.0 |
| 5 | 181839071455 | 0.0 |
| 6 | 171739064744 | 0.0 |
| 7 | 181839063250 | 0.0 |
| 8 | 181839069073 | 0.0 |
| 9 | 181839064076 | 0.0 |
| 10 | 181839070604 | 0.0 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 0.0 |
| 14 | 181839071969 | 0.0 |
| 15 | 21089053900 | 0.0 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 0.0 |
| 19 | 171739071710 | 0.0 |
| 20 | 181839069765 | 0.0 |
| 21 | 171739070719 | 0.0 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 0.0 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 0.0 |
| 26 | 181839072345 | 0.0 |
| 27 | 171739071280 | 0.0 |
| 28 | 171739069281 | 0.0 |
| 29 | 171739075278 | 0.0 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 0.0 |
| 32 | 181839073647 | 0.0 |
| 33 | 161639069025 | 0.0 |
| 34 | 171739082385 | 0.0 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 0.0 |
| 37 | 181539066186 | 0.0 |
| 38 | 181839068854 | 0.0 |
| 39 | 171739066078 | 0.0 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 0.0 |
| 42 | 171739070140 | 0.0 |
| 43 | 161539075147 | 0.0 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 0.0 |
| 46 | 181839067523 | 0.0 |
| 47 | 181839063225 | 0.0 |
| 48 | 211339057308 | 0.0 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés Propres-Chimie verte / Section A / 6

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 181839067978 | 0.0 |
| 2 | 171739069284 | 0.0 |
| 3 | 161639078588 | 0.0 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 0.0 |
| 6 | 181839062798 | 0.0 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 0.0 |
| 9 | 171739071382 | 0.0 |
| 10 | 171739073336 | 0.0 |
| 11 | 181839071973 | 0.0 |
| 12 | 171739064249 | 0.0 |
| 13 | 181839063231 | 0.0 |
| 14 | 21119045401 | 0.0 |
| 15 | 171739074772 | 0.0 |
| 16 | 181839067569 | 0.0 |
| 17 | 171739070194 | 0.0 |
| 18 | 181839068444 | 0.0 |
| 19 | 161639066586 | 0.0 |
| 20 | 181839064085 | 0.0 |
| 21 | 181839067616 | 0.0 |
| 22 | 161639069055 | 0.0 |
| 23 | 181539075199 | 0.0 |
| 24 | 181839065427 | 0.0 |
| 25 | 171739076304 | 0.0 |
| 26 | 181839069074 | 0.0 |
| 27 | 171739071844 | 0.0 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 0.0 |
| 31 | 181839073649 | 0.0 |
| 32 | 171739075355 | 0.0 |
| 33 | 171739067361 | 0.0 |
| 34 | 181839068980 | 0.0 |
| 35 | 161639072471 | 0.0 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 0.0 |
| 38 | 181839065661 | 0.0 |
| 39 | 181839067068 | 0.0 |
| 40 | 161639075277 | 0.0 |
| 41 | 171739069038 | 0.0 |
| 42 | 171739066304 | 0.0 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 0.0 |
| 45 | 171739070779 | 0.0 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 0.0 |
| 48 | 211539079159 | 0.0 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 0.0 |
| 51 | 201439055911 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Procédés Propres-Chimie verte / Section A / 7

| # | Matricule | CC |
|----|--------------|-----|
| 1 | 171739071394 | 0.0 |
| 2 | 181839068982 | 0.0 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 0.0 |
| 6 | 181839067113 | 0.0 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 0.0 |
| 9 | 161631029915 | 0.0 |
| 10 | 181839062881 | 0.0 |
| 11 | 171739069116 | 0.0 |
| 12 | 181839066629 | 0.0 |
| 13 | 181839064789 | 0.0 |
| 14 | 171739075375 | 0.0 |
| 15 | 181839072355 | 0.0 |
| 16 | 181839063232 | 0.0 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 0.0 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 0.0 |
| 21 | 161639067288 | 0.0 |
| 22 | 171739070795 | 0.0 |
| 23 | 181839064088 | 0.0 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 0.0 |
| 26 | 161639069099 | 0.0 |
| 27 | 181839073658 | 0.0 |
| 28 | 181839071974 | 0.0 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 0.0 |
| 31 | 181836048869 | 0.0 |
| 32 | 171739071900 | 0.0 |
| 33 | 181839066301 | 0.0 |
| 34 | 19119046664 | 0.0 |
| 35 | 171739067697 | 0.0 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 0.0 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 0.0 |
| 40 | 161639075395 | 0.0 |
| 41 | 171739076306 | 0.0 |
| 42 | 181839070196 | 0.0 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 0.0 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 0.0 |
| 48 | 20129045617 | 0.0 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Régulation et Commande des Procédés / Section A / 1

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071445 | 8.88 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 10.5 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 0.0 |
| 6 | 181839069032 | 12.9 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 8.1 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 8.3 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 11.5 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 14.3 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 13.5 |
| 18 | 181839067606 | 6.7 |
| 19 | 161639072619 | 9.58 |
| 20 | 21069056594 | 0.0 |
| 21 | 171739072831 | 9.9 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 10.96 |
| 24 | 181839073660 | 7.5 |
| 25 | 171739074823 | 12.1 |
| 26 | 181839069464 | 11.9 |
| 27 | 171739064444 | 7.56 |
| 28 | 161639083633 | 0.0 |
| 29 | 161639070123 | 9.7 |
| 30 | 181839066640 | 11.5 |
| 31 | 181839072367 | 8.7 |
| 32 | 181839050744 | 10.9 |
| 33 | 171739067711 | 0.0 |
| 34 | 181839071617 | 7.9 |
| 35 | 181839066324 | 12.9 |
| 36 | 181839065601 | 3.9 |
| 37 | 181839068244 | 11.9 |
| 38 | 181839063259 | 11.5 |
| 39 | 171739065346 | 8.1 |
| 40 | 161639067341 | 0.0 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 10.32 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 10.5 |
| 45 | 181839067117 | 0.0 |
| 46 | 171739066651 | 6.9 |
| 47 | 171739069165 | 10.5 |
| 48 | 181839072302 | 5.9 |
| 49 | 201539067019 | 7.5 |
| 50 | 19129054134 | 5.9 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 10.36 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Régulation et Commande des Procédés / Section A / 2

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839067933 | 7.5 |
| 2 | 21069058130 | 5.7 |
| 3 | 171739074827 | 10.9 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 0.0 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 11.7 |
| 8 | 181839068462 | 8.7 |
| 9 | 171739071456 | 0.0 |
| 10 | 181839062710 | 7.1 |
| 11 | 161639073148 | 10.32 |
| 12 | 18119048382 | 7.1 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 8.7 |
| 15 | 181839066556 | 11.7 |
| 16 | 181839072368 | 12.5 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 5.7 |
| 19 | 171739065462 | 10.14 |
| 20 | 171739081103 | 10.32 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 11.7 |
| 23 | 171739070519 | 12.66 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 11.7 |
| 26 | 161739082350 | 10.7 |
| 27 | 171739071180 | 11.3 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 9.3 |
| 30 | 181839073623 | 10.1 |
| 31 | 181839069473 | 9.7 |
| 32 | 181839062954 | 9.1 |
| 33 | 181839065214 | 9.5 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 10.5 |
| 36 | 181839071168 | 8.9 |
| 37 | 161639076828 | 0.0 |
| 38 | 181839063268 | 2.7 |
| 39 | 181839066353 | 8.5 |
| 40 | 181839067143 | 0.0 |
| 41 | 171739076008 | 9.7 |
| 42 | 181839072339 | 11.1 |
| 43 | 181839064093 | 12.3 |
| 44 | 171739069177 | 0.0 |
| 45 | 171739072841 | 9.98 |
| 46 | 161639065380 | 11.1 |
| 47 | 211539067649 | 10.7 |
| 48 | 211339031941 | 7.7 |
| 49 | 21109042733 | 7.3 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Régulation et Commande des Procédés / Section A / 3

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839066572 | 8.9 |
| 2 | 181839068281 | 11.7 |
| 3 | 181839069477 | 11.3 |
| 4 | 181839072372 | 8.1 |
| 5 | 181839072343 | 7.1 |
| 6 | 181839071899 | 6.3 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 5.9 |
| 9 | 181839069046 | 10.9 |
| 10 | 181839071169 | 7.1 |
| 11 | 171739082354 | 10.1 |
| 12 | 171739069202 | 11.9 |
| 13 | 181839066965 | 6.3 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 9.5 |
| 16 | 181839064483 | 11.9 |
| 17 | 181839062996 | 2.7 |
| 18 | 171739064622 | 8.3 |
| 19 | 161639070870 | 11.9 |
| 20 | 181839070297 | 9.7 |
| 21 | 171739067104 | 9.3 |
| 22 | 171739074830 | 10.72 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 9.96 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 0.0 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 0.0 |
| 30 | 181839068464 | 10.7 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 11.1 |
| 33 | 181839073637 | 8.1 |
| 34 | 171739065695 | 7.9 |
| 35 | 181839063269 | 0.0 |
| 36 | 171739051965 | 7.5 |
| 37 | 171739070668 | 7.7 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 11.1 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 14.3 |
| 42 | 161639067400 | 9.9 |
| 43 | 181839065636 | 13.5 |
| 44 | 181839065397 | 10.3 |
| 45 | 171739072843 | 10.72 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 9.7 |
| 49 | 21109042745 | 9.5 |
| 50 | 181539053219 | 13.3 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Régulation et Commande des Procédés / Section A / 4

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 0.0 |
| 3 | 171739072855 | 8.3 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 8.1 |
| 6 | 171739075170 | 7.5 |
| 7 | 181839069072 | 11.7 |
| 8 | 181839063208 | 11.9 |
| 9 | 171739064733 | 2.1 |
| 10 | 181839066989 | 0.0 |
| 11 | 161639068495 | 11.3 |
| 12 | 181839068812 | 14.1 |
| 13 | 161739082359 | 11.18 |
| 14 | 181839065646 | 7.5 |
| 15 | 161639074250 | 2.1 |
| 16 | 181839073668 | 0.0 |
| 17 | 181839069716 | 3.9 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 9.9 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 8.9 |
| 24 | 181839064565 | 5.9 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 8.7 |
| 27 | 171739071469 | 9.3 |
| 28 | 161639071502 | 0.0 |
| 29 | 181839067480 | 17.5 |
| 30 | 181839072344 | 5.9 |
| 31 | 181839071949 | 7.7 |
| 32 | 171739068595 | 0.0 |
| 33 | 181839071405 | 8.9 |
| 34 | 171739071186 | 11.1 |
| 35 | 171739076048 | 10.1 |
| 36 | 181839063249 | 16.7 |
| 37 | 161639065774 | 0.0 |
| 38 | 181839062744 | 11.9 |
| 39 | 181839063915 | 8.1 |
| 40 | 181839067972 | 9.1 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 8.1 |
| 43 | 171739074354 | 9.12 |
| 44 | 181839070302 | 9.1 |
| 45 | 181839065413 | 7.9 |
| 46 | 171739069277 | 2.1 |
| 47 | 171739066074 | 4.5 |
| 48 | 21129036386 | 7.9 |
| 49 | 201539074100 | 6.7 |
| 50 | 211339049699 | 0.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Régulation et Commande des Procédés / Section A / 5

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 161639074312 | 13.9 |
| 2 | 161639078520 | 9.36 |
| 3 | 181839067063 | 11.9 |
| 4 | 181839067976 | 18.1 |
| 5 | 181839071455 | 6.3 |
| 6 | 171739064744 | 0.0 |
| 7 | 181839063250 | 9.3 |
| 8 | 181839069073 | 15.5 |
| 9 | 181839064076 | 11.1 |
| 10 | 181839070604 | 5.1 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 5.7 |
| 13 | 181839065425 | 7.5 |
| 14 | 181839071969 | 7.7 |
| 15 | 21089053900 | 11.1 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 7.1 |
| 19 | 171739071710 | 11.1 |
| 20 | 181839069765 | 0.0 |
| 21 | 171739070719 | 7.7 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 10.5 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 7.5 |
| 26 | 181839072345 | 2.7 |
| 27 | 171739071280 | 10.4 |
| 28 | 171739069281 | 10.86 |
| 29 | 171739075278 | 0.0 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 14.1 |
| 32 | 181839073647 | 9.9 |
| 33 | 161639069025 | 12.1 |
| 34 | 171739082385 | 7.5 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 11.9 |
| 37 | 181539066186 | 11.6 |
| 38 | 181839068854 | 12.1 |
| 39 | 171739066078 | 11.7 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 12.6 |
| 42 | 171739070140 | 7.1 |
| 43 | 161539075147 | 3.9 |
| 44 | 171739067356 | 0.0 |
| 45 | 171739068643 | 0.0 |
| 46 | 181839067523 | 6.3 |
| 47 | 181839063225 | 11.9 |
| 48 | 211339057308 | 8.1 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Régulation et Commande des Procédés / Section A / 6

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839067978 | 7.5 |
| 2 | 171739069284 | 14.1 |
| 3 | 161639078588 | 12.76 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 8.7 |
| 6 | 181839062798 | 11.1 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 15.3 |
| 9 | 171739071382 | 8.5 |
| 10 | 171739073336 | 7.9 |
| 11 | 181839071973 | 8.5 |
| 12 | 171739064249 | 13.5 |
| 13 | 181839063231 | 12.7 |
| 14 | 21119045401 | 10.7 |
| 15 | 171739074772 | 10.0 |
| 16 | 181839067569 | 9.9 |
| 17 | 171739070194 | 7.7 |
| 18 | 181839068444 | 5.1 |
| 19 | 161639066586 | 0.0 |
| 20 | 181839064085 | 2.1 |
| 21 | 181839067616 | 0.0 |
| 22 | 161639069055 | 9.5 |
| 23 | 181539075199 | 10.3 |
| 24 | 181839065427 | 9.7 |
| 25 | 171739076304 | 4.5 |
| 26 | 181839069074 | 11.3 |
| 27 | 171739071844 | 12.3 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 13.1 |
| 31 | 181839073649 | 8.7 |
| 32 | 171739075355 | 8.3 |
| 33 | 171739067361 | 11.3 |
| 34 | 181839068980 | 11.9 |
| 35 | 161639072471 | 10.1 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 11.7 |
| 38 | 181839065661 | 8.5 |
| 39 | 181839067068 | 11.1 |
| 40 | 161639075277 | 7.9 |
| 41 | 171739069038 | 14.1 |
| 42 | 171739066304 | 11.16 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 13.5 |
| 45 | 171739070779 | 10.64 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 7.5 |
| 48 | 211539079159 | 10.3 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 5.7 |
| 51 | 201439055911 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: Régulation et Commande des Procédés / Section A / 7

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071394 | 12.3 |
| 2 | 181839068982 | 13.3 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 8.3 |
| 6 | 181839067113 | 7.7 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 11.1 |
| 9 | 161631029915 | 12.1 |
| 10 | 181839062881 | 10.1 |
| 11 | 171739069116 | 0.0 |
| 12 | 181839066629 | 5.9 |
| 13 | 181839064789 | 8.1 |
| 14 | 171739075375 | 10.08 |
| 15 | 181839072355 | 7.7 |
| 16 | 181839063232 | 9.5 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 0.0 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 10.1 |
| 21 | 161639067288 | 10.8 |
| 22 | 171739070795 | 11.42 |
| 23 | 181839064088 | 8.7 |
| 24 | 161639072561 | 3.3 |
| 25 | 181839067603 | 0.0 |
| 26 | 161639069099 | 8.3 |
| 27 | 181839073658 | 7.5 |
| 28 | 181839071974 | 10.1 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 11.9 |
| 31 | 181836048869 | 11.9 |
| 32 | 171739071900 | 11.16 |
| 33 | 181839066301 | 11.1 |
| 34 | 19119046664 | 11.5 |
| 35 | 171739067697 | 8.7 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 10.3 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 9.24 |
| 40 | 161639075395 | 10.68 |
| 41 | 171739076306 | 12.06 |
| 42 | 181839070196 | 10.3 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 0.0 |
| 45 | 171739069289 | 11.1 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 11.1 |
| 48 | 20129045617 | 0.0 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: TP Opération Unitaires 2 , Procédés d' Adsorption et

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071445 | 11.25 |
| 2 | 181839066555 | 0.0 |
| 3 | 19039051334 | 11.75 |
| 4 | 181839067626 | 0.0 |
| 5 | 181839064874 | 15.5 |
| 6 | 181839069032 | 15.5 |
| 7 | 181839062939 | 0.0 |
| 8 | 181839063233 | 15.0 |
| 9 | 161639053253 | 0.0 |
| 10 | 171739071139 | 11.75 |
| 11 | 171739081052 | 0.0 |
| 12 | 161639075865 | 10.75 |
| 13 | 21119047854 | 0.0 |
| 14 | 181839068453 | 0.0 |
| 15 | 2099924438 | 13.5 |
| 16 | 181839073435 | 0.0 |
| 17 | 171739069590 | 16.0 |
| 18 | 181839067606 | 16.0 |
| 19 | 161639072619 | 11.75 |
| 20 | 21069056594 | 17.5 |
| 21 | 171739072831 | 11.0 |
| 22 | 181839070201 | 0.0 |
| 23 | 171739073516 | 11.25 |
| 24 | 181839073660 | 15.0 |
| 25 | 171739074823 | 10.88 |
| 26 | 181839069464 | 13.5 |
| 27 | 171739064444 | 11.63 |
| 28 | 161639083633 | 10.25 |
| 29 | 161639070123 | 10.88 |
| 30 | 181839066640 | 13.0 |
| 31 | 181839072367 | 11.0 |
| 32 | 181839050744 | 13.0 |
| 33 | 171739067711 | 11.0 |
| 34 | 181839071617 | 10.0 |
| 35 | 181839066324 | 13.0 |
| 36 | 181839065601 | 13.5 |
| 37 | 181839068244 | 16.0 |
| 38 | 181839063259 | 16.0 |
| 39 | 171739065346 | 16.0 |
| 40 | 161639067341 | 10.13 |
| 41 | 171739075960 | 0.0 |
| 42 | 171739070220 | 11.63 |
| 43 | 171739064694 | 0.0 |
| 44 | 181839071167 | 13.0 |
| 45 | 181839067117 | 17.5 |
| 46 | 171739066651 | 10.38 |
| 47 | 171739069165 | 13.5 |
| 48 | 181839072302 | 11.0 |
| 49 | 201539067019 | 11.0 |
| 50 | 19129054134 | 11.75 |
| 51 | 201539076272 | 0.0 |
| 52 | 201439064816 | 7.0 |
| 53 | 21129045350 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: TP Opération Unitaires 2 , Procédés d' Adsorption et

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839067933 | 14.5 |
| 2 | 21069058130 | 0.0 |
| 3 | 171739074827 | 11.75 |
| 4 | 181839067608 | 0.0 |
| 5 | 161639067356 | 11.5 |
| 6 | 181839071646 | 0.0 |
| 7 | 181839066953 | 14.0 |
| 8 | 181839068462 | 12.0 |
| 9 | 171739071456 | 0.0 |
| 10 | 181839062710 | 12.0 |
| 11 | 161639073148 | 11.13 |
| 12 | 18119048382 | 16.0 |
| 13 | 161639070809 | 0.0 |
| 14 | 181839070292 | 12.0 |
| 15 | 181839066556 | 15.5 |
| 16 | 181839072368 | 15.5 |
| 17 | 171739069630 | 0.0 |
| 18 | 181839073662 | 10.0 |
| 19 | 171739065462 | 11.88 |
| 20 | 171739081103 | 10.5 |
| 21 | 171739064583 | 0.0 |
| 22 | 181839063235 | 12.0 |
| 23 | 171739070519 | 7.0 |
| 24 | 171739074239 | 0.0 |
| 25 | 181839069041 | 15.5 |
| 26 | 161739082350 | 17.0 |
| 27 | 171739071180 | 11.63 |
| 28 | 171739068185 | 0.0 |
| 29 | 171739067103 | 15.0 |
| 30 | 181839073623 | 18.0 |
| 31 | 181839069473 | 12.0 |
| 32 | 181839062954 | 17.5 |
| 33 | 181839065214 | 15.5 |
| 34 | 181839065618 | 0.0 |
| 35 | 181839068257 | 12.0 |
| 36 | 181839071168 | 17.5 |
| 37 | 161639076828 | 14.5 |
| 38 | 181839063268 | 0.0 |
| 39 | 181839066353 | 12.0 |
| 40 | 181839067143 | 0.0 |
| 41 | 171739076008 | 10.5 |
| 42 | 181839072339 | 14.0 |
| 43 | 181839064093 | 15.5 |
| 44 | 171739069177 | 0.0 |
| 45 | 171739072841 | 10.88 |
| 46 | 161639065380 | 10.0 |
| 47 | 211539067649 | 17.5 |
| 48 | 211339031941 | 13.0 |
| 49 | 21109042733 | 17.0 |
| 50 | 211539076295 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: TP Opération Unitaires 2 , Procédés d' Adsorption et

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839066572 | 15.5 |
| 2 | 181839068281 | 12.0 |
| 3 | 181839069477 | 12.0 |
| 4 | 181839072372 | 18.0 |
| 5 | 181839072343 | 18.0 |
| 6 | 181839071899 | 13.0 |
| 7 | 161639073197 | 0.0 |
| 8 | 171739076022 | 10.63 |
| 9 | 181839069046 | 17.5 |
| 10 | 181839071169 | 17.0 |
| 11 | 171739082354 | 15.0 |
| 12 | 171739069202 | 10.0 |
| 13 | 181839066965 | 17.5 |
| 14 | 21079081252 | 0.0 |
| 15 | 181839062730 | 17.0 |
| 16 | 181839064483 | 12.0 |
| 17 | 181839062996 | 15.0 |
| 18 | 171739064622 | 12.0 |
| 19 | 161639070870 | 0.0 |
| 20 | 181839070297 | 12.0 |
| 21 | 171739067104 | 15.0 |
| 22 | 171739074830 | 11.5 |
| 23 | 171739068287 | 0.0 |
| 24 | 181839067960 | 0.0 |
| 25 | 161639077362 | 10.88 |
| 26 | 181839063238 | 0.0 |
| 27 | 161639065542 | 10.88 |
| 28 | 181839067420 | 0.0 |
| 29 | 171739071468 | 10.0 |
| 30 | 181839068464 | 12.0 |
| 31 | 181839067609 | 0.0 |
| 32 | 181839073663 | 10.0 |
| 33 | 181839073637 | 15.0 |
| 34 | 171739065695 | 11.5 |
| 35 | 181839063269 | 17.0 |
| 36 | 171739051965 | 0.0 |
| 37 | 171739070668 | 11.25 |
| 38 | 171739069670 | 0.0 |
| 39 | 171739071182 | 10.75 |
| 40 | 171739074255 | 0.0 |
| 41 | 181839066358 | 18.0 |
| 42 | 161639067400 | 10.0 |
| 43 | 181839065636 | 18.0 |
| 44 | 181839065397 | 15.5 |
| 45 | 171739072843 | 11.0 |
| 46 | 18129031525 | 0.0 |
| 47 | 211339048051 | 0.0 |
| 48 | 161539076321 | 18.0 |
| 49 | 21109042745 | 17.0 |
| 50 | 181539053219 | 11.75 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: TP Opération Unitaires 2 , Procédés d' Adsorption et

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839072704 | 0.0 |
| 2 | 181839067612 | 0.0 |
| 3 | 171739072855 | 10.75 |
| 4 | 171739070677 | 0.0 |
| 5 | 171739067203 | 0.0 |
| 6 | 171739075170 | 11.0 |
| 7 | 181839069072 | 11.0 |
| 8 | 181839063208 | 14.0 |
| 9 | 171739064733 | 11.25 |
| 10 | 181839066989 | 14.0 |
| 11 | 161639068495 | 12.25 |
| 12 | 181839068812 | 13.0 |
| 13 | 161739082359 | 10.75 |
| 14 | 181839065646 | 16.5 |
| 15 | 161639074250 | 0.0 |
| 16 | 181839073668 | 16.0 |
| 17 | 181839069716 | 0.0 |
| 18 | 181839068292 | 0.0 |
| 19 | 171739054459 | 0.0 |
| 20 | 171739070089 | 0.0 |
| 21 | 181839066459 | 12.0 |
| 22 | 21119034252 | 0.0 |
| 23 | 161639077474 | 14.0 |
| 24 | 181839064565 | 0.0 |
| 25 | 181539064784 | 0.0 |
| 26 | 181839073643 | 16.0 |
| 27 | 171739071469 | 10.0 |
| 28 | 161639071502 | 0.0 |
| 29 | 181839067480 | 13.0 |
| 30 | 181839072344 | 14.0 |
| 31 | 181839071949 | 13.0 |
| 32 | 171739068595 | 0.0 |
| 33 | 181839071405 | 10.0 |
| 34 | 171739071186 | 13.0 |
| 35 | 171739076048 | 10.0 |
| 36 | 181839063249 | 12.0 |
| 37 | 161639065774 | 0.0 |
| 38 | 181839062744 | 14.0 |
| 39 | 181839063915 | 12.0 |
| 40 | 181839067972 | 13.0 |
| 41 | 21089051619 | 0.0 |
| 42 | 181839066615 | 12.0 |
| 43 | 171739074354 | 10.5 |
| 44 | 181839070302 | 0.0 |
| 45 | 181839065413 | 0.0 |
| 46 | 171739069277 | 14.0 |
| 47 | 171739066074 | 11.38 |
| 48 | 21129036386 | 16.0 |
| 49 | 201539074100 | 11.88 |
| 50 | 211339049699 | 12.0 |
| 51 | 161539077736 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: TP Opération Unitaires 2 , Procédés d' Adsorption et

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 161639074312 | 12.38 |
| 2 | 161639078520 | 10.0 |
| 3 | 181839067063 | 15.5 |
| 4 | 181839067976 | 13.0 |
| 5 | 181839071455 | 16.0 |
| 6 | 171739064744 | 11.25 |
| 7 | 181839063250 | 12.0 |
| 8 | 181839069073 | 17.0 |
| 9 | 181839064076 | 14.0 |
| 10 | 181839070604 | 16.0 |
| 11 | 161639065861 | 0.0 |
| 12 | 171739073203 | 0.0 |
| 13 | 181839065425 | 15.5 |
| 14 | 181839071969 | 17.0 |
| 15 | 21089053900 | 15.5 |
| 16 | 21119043493 | 0.0 |
| 17 | 20115049759 | 0.0 |
| 18 | 181839064566 | 0.0 |
| 19 | 171739071710 | 10.25 |
| 20 | 181839069765 | 17.0 |
| 21 | 171739070719 | 13.0 |
| 22 | 181839073291 | 0.0 |
| 23 | 181839068425 | 13.0 |
| 24 | 171739074430 | 0.0 |
| 25 | 181839080060 | 0.0 |
| 26 | 181839072345 | 15.0 |
| 27 | 171739071280 | 11.5 |
| 28 | 171739069281 | 11.5 |
| 29 | 171739075278 | 11.5 |
| 30 | 181839067613 | 0.0 |
| 31 | 171739064211 | 11.75 |
| 32 | 181839073647 | 16.0 |
| 33 | 161639069025 | 16.0 |
| 34 | 171739082385 | 10.38 |
| 35 | 181839065657 | 0.0 |
| 36 | 181839062750 | 14.0 |
| 37 | 181539066186 | 10.88 |
| 38 | 181839068854 | 17.0 |
| 39 | 171739066078 | 11.0 |
| 40 | 171739076231 | 0.0 |
| 41 | 181839066504 | 14.0 |
| 42 | 171739070140 | 13.0 |
| 43 | 161539075147 | 0.0 |
| 44 | 171739067356 | 10.5 |
| 45 | 171739068643 | 10.0 |
| 46 | 181839067523 | 13.0 |
| 47 | 181839063225 | 0.0 |
| 48 | 211339057308 | 0.0 |
| 49 | 161539077808 | 0.0 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: TP Opération Unitaires 2 , Procédés d' Adsorption et

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 181839067978 | 13.0 |
| 2 | 171739069284 | 11.88 |
| 3 | 161639078588 | 10.25 |
| 4 | 171739064766 | 0.0 |
| 5 | 181839064572 | 0.0 |
| 6 | 181839062798 | 14.5 |
| 7 | 181839063252 | 0.0 |
| 8 | 181839066622 | 14.0 |
| 9 | 171739071382 | 10.0 |
| 10 | 171739073336 | 14.5 |
| 11 | 181839071973 | 14.5 |
| 12 | 171739064249 | 14.0 |
| 13 | 181839063231 | 15.5 |
| 14 | 21119045401 | 14.5 |
| 15 | 171739074772 | 12.0 |
| 16 | 181839067569 | 14.0 |
| 17 | 171739070194 | 10.63 |
| 18 | 181839068444 | 8.0 |
| 19 | 161639066586 | 0.0 |
| 20 | 181839064085 | 0.0 |
| 21 | 181839067616 | 0.0 |
| 22 | 161639069055 | 16.5 |
| 23 | 181539075199 | 12.0 |
| 24 | 181839065427 | 15.5 |
| 25 | 171739076304 | 10.75 |
| 26 | 181839069074 | 15.0 |
| 27 | 171739071844 | 11.63 |
| 28 | 181839073312 | 0.0 |
| 29 | 181839072347 | 0.0 |
| 30 | 181839071048 | 16.0 |
| 31 | 181839073649 | 15.0 |
| 32 | 171739075355 | 15.0 |
| 33 | 171739067361 | 12.0 |
| 34 | 181839068980 | 14.5 |
| 35 | 161639072471 | 11.25 |
| 36 | 181839071492 | 0.0 |
| 37 | 181839066540 | 16.0 |
| 38 | 181839065661 | 16.5 |
| 39 | 181839067068 | 16.0 |
| 40 | 161639075277 | 11.88 |
| 41 | 171739069038 | 14.0 |
| 42 | 171739066304 | 11.0 |
| 43 | 181839069860 | 0.0 |
| 44 | 18049055164 | 17.5 |
| 45 | 171739070779 | 11.0 |
| 46 | 21099039390 | 0.0 |
| 47 | 181534024010 | 0.0 |
| 48 | 211539079159 | 12.0 |
| 49 | 21129045523 | 0.0 |
| 50 | 211539066888 | 0.0 |
| 51 | 201439055911 | 11.5 |

Signature de l'enseignant:

Le:

2021/2022

Filière: génie des procédés
génie chimique

Niveau:

Matière: TP Opération Unitaires 2 , Procédés d' Adsorption et

| # | Matricule | CC |
|----|--------------|-------|
| 1 | 171739071394 | 11.25 |
| 2 | 181839068982 | 14.0 |
| 3 | 181839071164 | 0.0 |
| 4 | 181839065428 | 0.0 |
| 5 | 171739064285 | 12.0 |
| 6 | 181839067113 | 0.0 |
| 7 | 181839066545 | 0.0 |
| 8 | 181839069401 | 17.0 |
| 9 | 161631029915 | 0.0 |
| 10 | 181839062881 | 14.0 |
| 11 | 171739069116 | 0.0 |
| 12 | 181839066629 | 6.0 |
| 13 | 181839064789 | 14.0 |
| 14 | 171739075375 | 11.75 |
| 15 | 181839072355 | 11.0 |
| 16 | 181839063232 | 15.5 |
| 17 | 181839067617 | 0.0 |
| 18 | 171739066565 | 10.25 |
| 19 | 181839068446 | 0.0 |
| 20 | 181839071551 | 16.0 |
| 21 | 161639067288 | 10.38 |
| 22 | 171739070795 | 11.38 |
| 23 | 181839064088 | 0.0 |
| 24 | 161639072561 | 0.0 |
| 25 | 181839067603 | 0.0 |
| 26 | 161639069099 | 11.5 |
| 27 | 181839073658 | 15.0 |
| 28 | 181839071974 | 14.0 |
| 29 | 161639082811 | 0.0 |
| 30 | 171739074822 | 11.63 |
| 31 | 181836048869 | 16.0 |
| 32 | 171739071900 | 11.13 |
| 33 | 181839066301 | 14.0 |
| 34 | 19119046664 | 15.0 |
| 35 | 171739067697 | 16.5 |
| 36 | 181839063256 | 0.0 |
| 37 | 171739065181 | 11.0 |
| 38 | 181839073390 | 0.0 |
| 39 | 171739070210 | 11.38 |
| 40 | 161639075395 | 11.88 |
| 41 | 171739076306 | 11.25 |
| 42 | 181839070196 | 14.0 |
| 43 | 181539066928 | 0.0 |
| 44 | 21069056584 | 17.5 |
| 45 | 171739069289 | 10.25 |
| 46 | 21099043162 | 0.0 |
| 47 | 211439056999 | 16.0 |
| 48 | 20129045617 | 0.0 |
| 49 | 211539076261 | 0.0 |

Signature de l'enseignant:

Le: