



2021/2022

Filière: Génie des Procédés
génie chimique

Niveau:

Matière: Anglais technique et Terminologie / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	13.0	0.0	13.0
2	181839066555	0.0	0.0	0.0
3	19039051334	18.0	0.0	18.0
4	181839067626	0.0	0.0	0.0
5	181839064874	10.0	0.0	10.0
6	181839069032	14.0	0.0	14.0
7	181839062939	0.0	0.0	0.0
8	181839063233	12.0	0.0	12.0
9	161639053253	0.0	0.0	0.0
10	171739071139	19.0	0.0	19.0
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	10.0	0.0	10.0
14	21119047854	0.0	0.0	0.0
15	181839068453	0.0	0.0	0.0
16	2099924438	0.0	0.0	0.0
17	181839073435	0.0	0.0	0.0
18	171739069590	6.5	0.0	6.5
19	181839067606	17.0	0.0	17.0
20	161639072619	17.0	0.0	17.0
21	21069056594	9.0	0.0	9.0
22	171739072831	14.0	0.0	14.0
23	181839070201	0.0	0.0	0.0
24	171739073516	12.0	0.0	12.0
25	181839073660	14.0	0.0	14.0
26	171739074823	11.0	0.0	11.0
27	181839069464	18.0	0.0	18.0
28	171739064444	18.0	0.0	18.0
29	161639083633	13.0	0.0	13.0
30	161639070123	10.0	0.0	10.0
31	181839066640	14.0	0.0	14.0
32	181839072367	13.0	0.0	13.0
33	181839050744	0.0	0.0	0.0
34	171739067711	0.0	0.0	0.0
35	181839071617	12.0	0.0	12.0
36	181839066324	17.0	0.0	17.0
37	181839065601	10.0	0.0	10.0
38	181839068244	13.0	0.0	13.0
39	181839063259	12.0	0.0	12.0
40	171739065346	12.0	0.0	12.0
41	161639067341	13.0	0.0	13.0
42	171739075960	0.0	0.0	0.0
43	171739070220	18.0	0.0	18.0
44	171739064694	13.0	0.0	13.0
45	181839071167	10.0	0.0	10.0
46	181839067117	10.0	0.0	10.0
47	171739066651	18.0	0.0	18.0
48	171739069165	14.0	0.0	14.0
49	181839072302	8.0	0.0	8.0
50	201539067019	17.0	0.0	17.0
51	19129054134	18.0	0.0	18.0
52	201539076272	18.0	0.0	18.0
53	201439064816	11.0	0.0	11.0
54	21129045350	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Anglais technique et Terminologie / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	7.0	0.0	7.0
2	21069058130	17.0	0.0	17.0
3	171739074827	10.0	0.0	10.0
4	181839067608	0.0	0.0	0.0
5	161639067356	10.0	0.0	10.0
6	181839071646	0.0	0.0	0.0
7	181839066953	11.0	0.0	11.0
8	181839068462	7.0	0.0	7.0
9	171739071456	15.0	0.0	15.0
10	181839062710	10.5	0.0	10.5
11	161639073148	10.0	0.0	10.0
12	18119048382	0.0	0.0	0.0
13	161639070809	12.5	0.0	12.5
14	181839070292	14.0	0.0	14.0
15	181839066556	13.0	0.0	13.0
16	181839072368	13.0	0.0	13.0
17	171739069630	0.0	0.0	0.0
18	181839073662	10.0	0.0	10.0
19	171739065462	13.0	0.0	13.0
20	171739081103	11.0	0.0	11.0
21	171739064583	0.0	0.0	0.0
22	181839063235	17.0	0.0	17.0
23	171739070519	19.0	0.0	19.0
24	171739074239	0.0	0.0	0.0
25	181839069041	13.0	0.0	13.0
26	161739082350	17.0	0.0	17.0
27	171739071180	10.0	0.0	10.0
28	171739068185	0.0	0.0	0.0
29	171739067103	10.0	0.0	10.0
30	181839073623	7.0	0.0	7.0
31	181839069473	13.0	0.0	13.0
32	181839062954	9.0	0.0	9.0
33	181839065214	12.0	0.0	12.0
34	181839065618	0.0	0.0	0.0
35	181839068257	10.0	0.0	10.0
36	181839071168	11.5	0.0	11.5
37	161639076828	14.5	0.0	14.5
38	181839063268	13.0	0.0	13.0
39	181839066353	12.0	0.0	12.0
40	181839067143	7.0	0.0	7.0
41	171739076008	14.0	0.0	14.0
42	181839072339	8.0	0.0	8.0
43	181839064093	12.5	0.0	12.5
44	171739069177	15.0	0.0	15.0
45	171739072841	12.0	0.0	12.0
46	161639065380	15.0	0.0	15.0
47	211539067649	9.0	0.0	9.0
48	211339031941	14.0	0.0	14.0
49	21109042733	10.0	0.0	10.0
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Anglais technique et Terminologie / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	6.0	0.0	6.0
2	181839068281	8.0	0.0	8.0
3	181839069477	10.0	0.0	10.0
4	181839072372	7.0	0.0	7.0
5	181839072343	15.0	0.0	15.0
6	181839071899	12.0	0.0	12.0
7	161639073197	12.0	0.0	12.0
8	171739076022	10.0	0.0	10.0
9	181839069046	8.0	0.0	8.0
10	181839071169	8.0	0.0	8.0
11	171739082354	12.0	0.0	12.0
12	171739069202	12.0	0.0	12.0
13	181839066965	5.0	0.0	5.0
14	21079081252	0.0	0.0	0.0
15	181839062730	16.0	0.0	16.0
16	181839064483	5.0	0.0	5.0
17	181839062996	8.0	0.0	8.0
18	171739064622	8.0	0.0	8.0
19	161639070870	0.0	0.0	0.0
20	181839070297	8.0	0.0	8.0
21	171739067104	16.0	0.0	16.0
22	171739074830	14.0	0.0	14.0
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	13.0	0.0	13.0
26	181839063238	6.0	0.0	6.0
27	161639065542	17.0	0.0	17.0
28	181839067420	12.0	0.0	12.0
29	171739071468	12.0	0.0	12.0
30	181839068464	6.0	0.0	6.0
31	181839067609	0.0	0.0	0.0
32	181839073663	7.0	0.0	7.0
33	181839073637	8.0	0.0	8.0
34	171739065695	14.0	0.0	14.0
35	181839063269	7.0	0.0	7.0
36	171739051965	8.0	0.0	8.0
37	171739070668	19.0	0.0	19.0
38	171739069670	0.0	0.0	0.0
39	171739071182	12.0	0.0	12.0
40	171739074255	11.0	0.0	11.0
41	181839066358	17.0	0.0	17.0
42	161639067400	19.0	0.0	19.0
43	181839065636	10.5	0.0	10.5
44	181839065397	8.0	0.0	8.0
45	171739072843	10.0	0.0	10.0
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	0.0	0.0
48	161539076321	10.0	0.0	10.0
49	21109042745	13.0	0.0	13.0
50	181539053219	16.0	0.0	16.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Anglais technique et Terminologie / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	14.5	0.0	14.5
3	171739072855	11.0	0.0	11.0
4	171739070677	0.0	0.0	0.0
5	171739067203	8.0	0.0	8.0
6	171739075170	8.0	0.0	8.0
7	181839069072	14.0	0.0	14.0
8	181839063208	15.0	0.0	15.0
9	171739064733	10.0	0.0	10.0
10	181839066989	11.0	0.0	11.0
11	161639068495	18.0	0.0	18.0
12	181839068812	13.0	0.0	13.0
13	161739082359	14.0	0.0	14.0
14	181839065646	13.0	0.0	13.0
15	161639074250	5.0	0.0	5.0
16	181839073668	13.0	0.0	13.0
17	181839069716	9.0	0.0	9.0
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	9.0	0.0	9.0
22	21119034252	0.0	0.0	0.0
23	161639077474	10.0	0.0	10.0
24	181839064565	9.0	0.0	9.0
25	181539064784	13.0	0.0	13.0
26	181839073643	5.0	0.0	5.0
27	171739071469	11.0	0.0	11.0
28	161639071502	5.0	0.0	5.0
29	181839067480	13.5	0.0	13.5
30	181839072344	10.0	0.0	10.0
31	181839071949	8.0	0.0	8.0
32	171739068595	8.0	0.0	8.0
33	181839071405	12.5	0.0	12.5
34	171739071186	14.0	0.0	14.0
35	171739076048	10.0	0.0	10.0
36	181839063249	8.0	0.0	8.0
37	161639065774	19.0	0.0	19.0
38	181839062744	7.0	0.0	7.0
39	181839063915	8.0	0.0	8.0
40	181839067972	12.0	0.0	12.0
41	21089051619	0.0	0.0	0.0
42	181839066615	6.0	0.0	6.0
43	171739074354	15.0	0.0	15.0
44	181839070302	8.0	0.0	8.0
45	181839065413	7.0	0.0	7.0
46	171739069277	10.0	0.0	10.0
47	171739066074	10.0	0.0	10.0
48	21129036386	7.0	0.0	7.0
49	201539074100	16.0	0.0	16.0
50	211339049699	0.0	0.0	0.0
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Anglais technique et Terminologie / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	12.0	0.0	12.0
2	161639078520	16.0	0.0	16.0
3	181839067063	8.5	0.0	8.5
4	181839067976	14.0	0.0	14.0
5	181839071455	14.0	0.0	14.0
6	171739064744	12.0	0.0	12.0
7	181839063250	8.0	0.0	8.0
8	181839069073	13.5	0.0	13.5
9	181839064076	8.0	0.0	8.0
10	181839070604	10.0	0.0	10.0
11	161639065861	12.0	0.0	12.0
12	171739073203	0.0	0.0	0.0
13	181839065425	12.0	0.0	12.0
14	181839071969	9.0	0.0	9.0
15	21089053900	0.0	0.0	0.0
16	21119043493	0.0	0.0	0.0
17	20115049759	17.0	0.0	17.0
18	181839064566	11.0	0.0	11.0
19	171739071710	10.0	0.0	10.0
20	181839069765	11.0	0.0	11.0
21	171739070719	7.0	0.0	7.0
22	181839073291	0.0	0.0	0.0
23	181839068425	15.0	0.0	15.0
24	171739074430	0.0	0.0	0.0
25	181839080060	12.0	0.0	12.0
26	181839072345	0.0	0.0	0.0
27	171739071280	10.5	0.0	10.5
28	171739069281	16.0	0.0	16.0
29	171739075278	14.0	0.0	14.0
30	181839067613	0.0	0.0	0.0
31	171739064211	15.0	0.0	15.0
32	181839073647	13.0	0.0	13.0
33	161639069025	12.0	0.0	12.0
34	171739082385	16.0	0.0	16.0
35	181839065657	0.0	0.0	0.0
36	181839062750	14.0	0.0	14.0
37	181539066186	15.0	0.0	15.0
38	181839068854	9.0	0.0	9.0
39	171739066078	18.0	0.0	18.0
40	171739076231	14.0	0.0	14.0
41	181839066504	12.0	0.0	12.0
42	171739070140	14.0	0.0	14.0
43	161539075147	0.0	0.0	0.0
44	171739067356	18.0	0.0	18.0
45	171739068643	16.0	0.0	16.0
46	181839067523	10.0	0.0	10.0
47	181839063225	14.5	0.0	14.5
48	211339057308	12.0	0.0	12.0
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Anglais technique et Terminologie / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	12.0	0.0	12.0
2	171739069284	18.0	0.0	18.0
3	161639078588	19.5	0.0	19.5
4	171739064766	0.0	0.0	0.0
5	181839064572	7.0	0.0	7.0
6	181839062798	10.0	0.0	10.0
7	181839063252	0.0	0.0	0.0
8	181839066622	14.0	0.0	14.0
9	171739071382	14.0	0.0	14.0
10	171739073336	17.0	0.0	17.0
11	181839071973	16.0	0.0	16.0
12	171739064249	14.0	0.0	14.0
13	181839063231	13.5	0.0	13.5
14	21119045401	18.0	0.0	18.0
15	171739074772	10.0	0.0	10.0
16	181839067569	14.5	0.0	14.5
17	171739070194	14.0	0.0	14.0
18	181839068444	10.0	0.0	10.0
19	161639066586	19.5	0.0	19.5
20	181839064085	8.0	0.0	8.0
21	181839067616	12.0	0.0	12.0
22	161639069055	16.5	0.0	16.5
23	181539075199	0.0	0.0	0.0
24	181839065427	11.0	0.0	11.0
25	171739076304	14.0	0.0	14.0
26	181839069074	12.0	0.0	12.0
27	171739071844	15.0	0.0	15.0
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	13.5	0.0	13.5
31	181839073649	8.0	0.0	8.0
32	171739075355	9.0	0.0	9.0
33	171739067361	0.0	0.0	0.0
34	181839068980	10.0	0.0	10.0
35	161639072471	11.0	0.0	11.0
36	181839071492	0.0	0.0	0.0
37	181839066540	13.5	0.0	13.5
38	181839065661	12.0	0.0	12.0
39	181839067068	10.0	0.0	10.0
40	161639075277	10.0	0.0	10.0
41	171739069038	16.0	0.0	16.0
42	171739066304	18.0	0.0	18.0
43	181839069860	12.5	0.0	12.5
44	18049055164	15.0	0.0	15.0
45	171739070779	12.5	0.0	12.5
46	21099039390	0.0	0.0	0.0
47	181534024010	17.0	0.0	17.0
48	211539079159	8.0	0.0	8.0
49	21129045523	0.0	0.0	0.0
50	211539066888	7.0	0.0	7.0
51	201439055911	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Anglais technique et Terminologie / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	14.0	0.0	14.0
2	181839068982	16.0	0.0	16.0
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	16.0	0.0	16.0
6	181839067113	10.0	0.0	10.0
7	181839066545	0.0	0.0	0.0
8	181839069401	9.0	0.0	9.0
9	161631029915	8.0	0.0	8.0
10	181839062881	8.0	0.0	8.0
11	171739069116	18.0	0.0	18.0
12	181839066629	0.0	0.0	0.0
13	181839064789	12.0	0.0	12.0
14	171739075375	11.0	0.0	11.0
15	181839072355	12.0	0.0	12.0
16	181839063232	8.0	0.0	8.0
17	181839067617	0.0	0.0	0.0
18	171739066565	16.0	0.0	16.0
19	181839068446	0.0	0.0	0.0
20	181839071551	13.5	0.0	13.5
21	161639067288	15.0	0.0	15.0
22	171739070795	11.0	0.0	11.0
23	181839064088	10.0	0.0	10.0
24	161639072561	0.0	0.0	0.0
25	181839067603	5.0	0.0	5.0
26	161639069099	12.0	0.0	12.0
27	181839073658	5.0	0.0	5.0
28	181839071974	8.0	0.0	8.0
29	161639082811	0.0	0.0	0.0
30	171739074822	18.0	0.0	18.0
31	181836048869	16.0	0.0	16.0
32	171739071900	14.0	0.0	14.0
33	181839066301	12.0	0.0	12.0
34	19119046664	0.0	0.0	0.0
35	171739067697	16.0	0.0	16.0
36	181839063256	0.0	0.0	0.0
37	171739065181	18.0	0.0	18.0
38	181839073390	0.0	0.0	0.0
39	171739070210	19.0	0.0	19.0
40	161639075395	13.0	0.0	13.0
41	171739076306	13.0	0.0	13.0
42	181839070196	10.0	0.0	10.0
43	181539066928	0.0	0.0	0.0
44	21069056584	13.0	0.0	13.0
45	171739069289	14.0	0.0	14.0
46	21099043162	0.0	0.0	0.0
47	211439056999	10.0	0.0	10.0
48	20129045617	19.5	0.0	19.5
49	211539076261	9.0	0.0	9.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Corrosion et Protection des équipements / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	7.0	0.0	7.0
2	181839066555	0.0	0.0	0.0
3	19039051334	10.0	0.0	10.0
4	181839067626	0.0	0.0	0.0
5	181839064874	3.5	0.0	3.5
6	181839069032	4.5	0.0	4.5
7	181839062939	0.0	0.0	0.0
8	181839063233	1.0	0.0	1.0
9	161639053253	0.0	0.0	0.0
10	171739071139	1.0	0.0	1.0
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	1.0	0.0	1.0
14	21119047854	0.0	0.0	0.0
15	181839068453	0.0	0.0	0.0
16	2099924438	9.0	0.0	9.0
17	181839073435	0.0	0.0	0.0
18	171739069590	6.0	0.0	6.0
19	181839067606	1.0	0.0	1.0
20	161639072619	9.0	0.0	9.0
21	21069056594	4.0	0.0	4.0
22	171739072831	1.0	0.0	1.0
23	181839070201	0.0	0.0	0.0
24	171739073516	6.0	0.0	6.0
25	181839073660	1.0	0.0	1.0
26	171739074823	3.0	0.0	3.0
27	181839069464	4.0	0.0	4.0
28	171739064444	0.0	0.0	0.0
29	161639083633	2.0	0.0	2.0
30	161639070123	0.5	0.0	0.5
31	181839066640	1.5	0.0	1.5
32	181839072367	1.0	0.0	1.0
33	181839050744	0.0	0.0	0.0
34	171739067711	0.0	0.0	0.0
35	181839071617	4.5	0.0	4.5
36	181839066324	6.5	0.0	6.5
37	181839065601	3.0	0.0	3.0
38	181839068244	3.0	0.0	3.0
39	181839063259	2.5	0.0	2.5
40	171739065346	2.5	0.0	2.5
41	161639067341	0.0	0.0	0.0
42	171739075960	0.0	0.0	0.0
43	171739070220	4.0	0.0	4.0
44	171739064694	0.0	0.0	0.0
45	181839071167	1.0	0.0	1.0
46	181839067117	2.0	0.0	2.0
47	171739066651	6.0	0.0	6.0
48	171739069165	3.0	0.0	3.0
49	181839072302	0.0	0.0	0.0
50	201539067019	1.0	0.0	1.0
51	19129054134	2.0	0.0	2.0
52	201539076272	2.0	0.0	2.0
53	201439064816	6.5	0.0	6.5
54	21129045350	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Corrosion et Protection des équipements / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	2.0	0.0	2.0
2	21069058130	3.0	0.0	3.0
3	171739074827	10.0	0.0	10.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	0.0	0.0
6	181839071646	0.0	0.0	0.0
7	181839066953	4.5	0.0	4.5
8	181839068462	4.0	0.0	4.0
9	171739071456	0.0	0.0	0.0
10	181839062710	3.0	0.0	3.0
11	161639073148	5.0	0.0	5.0
12	18119048382	0.0	0.0	0.0
13	161639070809	0.0	0.0	0.0
14	181839070292	1.0	0.0	1.0
15	181839066556	1.0	0.0	1.0
16	181839072368	4.0	0.0	4.0
17	171739069630	0.0	0.0	0.0
18	181839073662	2.0	0.0	2.0
19	171739065462	0.5	0.0	0.5
20	171739081103	1.0	0.0	1.0
21	171739064583	0.0	0.0	0.0
22	181839063235	2.5	0.0	2.5
23	171739070519	7.0	0.0	7.0
24	171739074239	0.0	0.0	0.0
25	181839069041	5.0	0.0	5.0
26	161739082350	8.0	0.0	8.0
27	171739071180	1.0	0.0	1.0
28	171739068185	0.0	0.0	0.0
29	171739067103	4.0	0.0	4.0
30	181839073623	1.0	0.0	1.0
31	181839069473	5.5	0.0	5.5
32	181839062954	1.0	0.0	1.0
33	181839065214	2.5	0.0	2.5
34	181839065618	0.0	0.0	0.0
35	181839068257	3.0	0.0	3.0
36	181839071168	2.0	0.0	2.0
37	161639076828	4.5	0.0	4.5
38	181839063268	4.0	0.0	4.0
39	181839066353	5.0	0.0	5.0
40	181839067143	2.5	0.0	2.5
41	171739076008	2.5	0.0	2.5
42	181839072339	2.5	0.0	2.5
43	181839064093	4.5	0.0	4.5
44	171739069177	0.0	0.0	0.0
45	171739072841	5.0	0.0	5.0
46	161639065380	5.5	0.0	5.5
47	211539067649	7.0	0.0	7.0
48	211339031941	1.0	0.0	1.0
49	21109042733	5.0	0.0	5.0
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Corrosion et Protection des équipements / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	4.0	0.0	4.0
2	181839068281	3.0	0.0	3.0
3	181839069477	1.0	0.0	1.0
4	181839072372	4.0	0.0	4.0
5	181839072343	2.5	0.0	2.5
6	181839071899	5.0	0.0	5.0
7	161639073197	2.5	0.0	2.5
8	171739076022	8.5	0.0	8.5
9	181839069046	1.5	0.0	1.5
10	181839071169	1.0	0.0	1.0
11	171739082354	0.0	0.0	0.0
12	171739069202	4.0	0.0	4.0
13	181839066965	0.0	0.0	0.0
14	21079081252	0.0	0.0	0.0
15	181839062730	3.0	0.0	3.0
16	181839064483	5.5	0.0	5.5
17	181839062996	1.0	0.0	1.0
18	171739064622	2.0	0.0	2.0
19	161639070870	0.0	0.0	0.0
20	181839070297	0.5	0.0	0.5
21	171739067104	1.0	0.0	1.0
22	171739074830	0.0	0.0	0.0
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	3.0	0.0	3.0
26	181839063238	0.0	0.0	0.0
27	161639065542	0.0	0.0	0.0
28	181839067420	0.5	0.0	0.5
29	171739071468	0.0	0.0	0.0
30	181839068464	5.0	0.0	5.0
31	181839067609	0.0	0.0	0.0
32	181839073663	2.0	0.0	2.0
33	181839073637	1.0	0.0	1.0
34	171739065695	4.0	0.0	4.0
35	181839063269	2.0	0.0	2.0
36	171739051965	2.0	0.0	2.0
37	171739070668	2.0	0.0	2.0
38	171739069670	0.0	0.0	0.0
39	171739071182	4.0	0.0	4.0
40	171739074255	3.0	0.0	3.0
41	181839066358	15.5	0.0	15.5
42	161639067400	5.0	0.0	5.0
43	181839065636	8.0	0.0	8.0
44	181839065397	1.0	0.0	1.0
45	171739072843	10.0	0.0	10.0
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	0.0	0.0
48	161539076321	4.0	0.0	4.0
49	21109042745	1.0	0.0	1.0
50	181539053219	1.0	0.0	1.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Corrosion et Protection des équipements / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	1.0	0.0	1.0
3	171739072855	6.0	0.0	6.0
4	171739070677	0.0	0.0	0.0
5	171739067203	0.5	0.0	0.5
6	171739075170	1.0	0.0	1.0
7	181839069072	1.0	0.0	1.0
8	181839063208	3.0	0.0	3.0
9	171739064733	0.0	0.0	0.0
10	181839066989	1.0	0.0	1.0
11	161639068495	1.0	0.0	1.0
12	181839068812	1.0	0.0	1.0
13	161739082359	1.0	0.0	1.0
14	181839065646	1.0	0.0	1.0
15	161639074250	0.5	0.0	0.5
16	181839073668	1.0	0.0	1.0
17	181839069716	1.0	0.0	1.0
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	1.0	0.0	1.0
22	21119034252	0.0	0.0	0.0
23	161639077474	0.5	0.0	0.5
24	181839064565	8.0	0.0	8.0
25	181539064784	0.0	0.0	0.0
26	181839073643	3.0	0.0	3.0
27	171739071469	6.0	0.0	6.0
28	161639071502	0.0	0.0	0.0
29	181839067480	8.0	0.0	8.0
30	181839072344	0.5	0.0	0.5
31	181839071949	6.5	0.0	6.5
32	171739068595	2.0	0.0	2.0
33	181839071405	0.5	0.0	0.5
34	171739071186	4.0	0.0	4.0
35	171739076048	8.0	0.0	8.0
36	181839063249	8.5	0.0	8.5
37	161639065774	0.0	0.0	0.0
38	181839062744	4.0	0.0	4.0
39	181839063915	1.0	0.0	1.0
40	181839067972	5.0	0.0	5.0
41	21089051619	0.0	0.0	0.0
42	181839066615	1.0	0.0	1.0
43	171739074354	1.0	0.0	1.0
44	181839070302	2.0	0.0	2.0
45	181839065413	1.5	0.0	1.5
46	171739069277	1.0	0.0	1.0
47	171739066074	7.5	0.0	7.5
48	21129036386	9.0	0.0	9.0
49	201539074100	0.0	0.0	0.0
50	211339049699	0.0	0.0	0.0
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Corrosion et Protection des équipements / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	9.0	0.0	9.0
2	161639078520	13.0	0.0	13.0
3	181839067063	5.0	0.0	5.0
4	181839067976	5.0	0.0	5.0
5	181839071455	0.5	0.0	0.5
6	171739064744	0.0	0.0	0.0
7	181839063250	1.0	0.0	1.0
8	181839069073	5.0	0.0	5.0
9	181839064076	2.0	0.0	2.0
10	181839070604	1.0	0.0	1.0
11	161639065861	1.0	0.0	1.0
12	171739073203	0.0	0.0	0.0
13	181839065425	1.0	0.0	1.0
14	181839071969	4.0	0.0	4.0
15	21089053900	0.0	0.0	0.0
16	21119043493	0.0	0.0	0.0
17	20115049759	0.0	0.0	0.0
18	181839064566	1.0	0.0	1.0
19	171739071710	8.0	0.0	8.0
20	181839069765	2.0	0.0	2.0
21	171739070719	1.0	0.0	1.0
22	181839073291	0.0	0.0	0.0
23	181839068425	0.5	0.0	0.5
24	171739074430	0.0	0.0	0.0
25	181839080060	0.0	0.0	0.0
26	181839072345	1.0	0.0	1.0
27	171739071280	6.0	0.0	6.0
28	171739069281	1.0	0.0	1.0
29	171739075278	0.5	0.0	0.5
30	181839067613	0.0	0.0	0.0
31	171739064211	5.0	0.0	5.0
32	181839073647	1.0	0.0	1.0
33	161639069025	5.0	0.0	5.0
34	171739082385	3.5	0.0	3.5
35	181839065657	0.0	0.0	0.0
36	181839062750	7.0	0.0	7.0
37	181539066186	4.0	0.0	4.0
38	181839068854	2.0	0.0	2.0
39	171739066078	0.0	0.0	0.0
40	171739076231	3.0	0.0	3.0
41	181839066504	1.0	0.0	1.0
42	171739070140	1.0	0.0	1.0
43	161539075147	0.0	0.0	0.0
44	171739067356	1.0	0.0	1.0
45	171739068643	0.0	0.0	0.0
46	181839067523	2.0	0.0	2.0
47	181839063225	7.0	0.0	7.0
48	211339057308	1.0	0.0	1.0
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Corrosion et Protection des équipements / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	0.0	0.0	0.0
2	171739069284	3.0	0.0	3.0
3	161639078588	10.0	0.0	10.0
4	171739064766	0.0	0.0	0.0
5	181839064572	1.0	0.0	1.0
6	181839062798	5.0	0.0	5.0
7	181839063252	0.0	0.0	0.0
8	181839066622	2.0	0.0	2.0
9	171739071382	1.0	0.0	1.0
10	171739073336	1.0	0.0	1.0
11	181839071973	4.5	0.0	4.5
12	171739064249	4.0	0.0	4.0
13	181839063231	3.0	0.0	3.0
14	21119045401	6.0	0.0	6.0
15	171739074772	0.0	0.0	0.0
16	181839067569	0.0	0.0	0.0
17	171739070194	0.0	0.0	0.0
18	181839068444	7.0	0.0	7.0
19	161639066586	0.0	0.0	0.0
20	181839064085	0.0	0.0	0.0
21	181839067616	0.0	0.0	0.0
22	161639069055	0.0	0.0	0.0
23	181539075199	1.0	0.0	1.0
24	181839065427	0.5	0.0	0.5
25	171739076304	1.0	0.0	1.0
26	181839069074	1.0	0.0	1.0
27	171739071844	13.0	0.0	13.0
28	181839073312	1.0	0.0	1.0
29	181839072347	0.0	0.0	0.0
30	181839071048	0.0	0.0	0.0
31	181839073649	3.0	0.0	3.0
32	171739075355	1.0	0.0	1.0
33	171739067361	3.0	0.0	3.0
34	181839068980	6.0	0.0	6.0
35	161639072471	8.0	0.0	8.0
36	181839071492	0.0	0.0	0.0
37	181839066540	1.0	0.0	1.0
38	181839065661	0.0	0.0	0.0
39	181839067068	0.0	0.0	0.0
40	161639075277	8.0	0.0	8.0
41	171739069038	0.5	0.0	0.5
42	171739066304	1.0	0.0	1.0
43	181839069860	0.0	0.0	0.0
44	18049055164	1.5	0.0	1.5
45	171739070779	0.0	0.0	0.0
46	21099039390	0.0	0.0	0.0
47	181534024010	2.0	0.0	2.0
48	211539079159	4.0	0.0	4.0
49	21129045523	0.0	0.0	0.0
50	211539066888	3.0	0.0	3.0
51	201439055911	2.0	0.0	2.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Corrosion et Protection des équipements / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	5.0	0.0	5.0
2	181839068982	2.0	0.0	2.0
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	6.0	0.0	6.0
6	181839067113	2.0	0.0	2.0
7	181839066545	0.0	0.0	0.0
8	181839069401	3.0	0.0	3.0
9	161631029915	3.0	0.0	3.0
10	181839062881	3.0	0.0	3.0
11	171739069116	1.0	0.0	1.0
12	181839066629	0.0	0.0	0.0
13	181839064789	2.0	0.0	2.0
14	171739075375	5.0	0.0	5.0
15	181839072355	4.0	0.0	4.0
16	181839063232	3.0	0.0	3.0
17	181839067617	0.0	0.0	0.0
18	171739066565	0.0	0.0	0.0
19	181839068446	0.0	0.0	0.0
20	181839071551	1.0	0.0	1.0
21	161639067288	1.0	0.0	1.0
22	171739070795	1.0	0.0	1.0
23	181839064088	1.0	0.0	1.0
24	161639072561	0.0	0.0	0.0
25	181839067603	1.0	0.0	1.0
26	161639069099	5.0	0.0	5.0
27	181839073658	5.0	0.0	5.0
28	181839071974	5.0	0.0	5.0
29	161639082811	0.0	0.0	0.0
30	171739074822	1.0	0.0	1.0
31	181836048869	5.0	0.0	5.0
32	171739071900	10.0	0.0	10.0
33	181839066301	1.5	0.0	1.5
34	19119046664	1.0	0.0	1.0
35	171739067697	2.0	0.0	2.0
36	181839063256	0.0	0.0	0.0
37	171739065181	0.0	0.0	0.0
38	181839073390	0.0	0.0	0.0
39	171739070210	2.5	0.0	2.5
40	161639075395	12.0	0.0	12.0
41	171739076306	1.0	0.0	1.0
42	181839070196	2.0	0.0	2.0
43	181539066928	0.0	0.0	0.0
44	21069056584	0.5	0.0	0.5
45	171739069289	1.0	0.0	1.0
46	21099043162	0.0	0.0	0.0
47	211439056999	10.0	0.0	10.0
48	20129045617	10.0	0.0	10.0
49	211539076261	4.0	0.0	4.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Génie de La Réaction I : Réacteurs non -idéaux et Bioréacteurs / Section A

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	4.5	9.5	6.5
2	181839066555	0.0	0.0	0.0
3	19039051334	5.0	5.75	5.3
4	181839067626	0.0	0.0	0.0
5	181839064874	0.0	6.5	2.6
6	181839069032	4.0	9.5	6.2
7	181839062939	0.0	0.0	0.0
8	181839063233	2.0	7.25	4.1
9	161639053253	0.0	0.0	0.0
10	171739071139	2.0	8.0	4.4
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	0.25	6.0	2.55
14	21119047854	0.0	6.0	2.4
15	181839068453	0.0	0.0	0.0
16	2099924438	6.0	6.0	6.0
17	181839073435	0.0	0.0	0.0
18	171739069590	4.0	15.0	8.4
19	181839067606	0.5	6.5	2.9
20	161639072619	4.0	10.5	6.6
21	21069056594	0.25	0.0	0.15
22	171739072831	4.5	9.5	6.5
23	181839070201	0.0	0.0	0.0
24	171739073516	3.0	10.0	5.8
25	181839073660	1.25	7.25	3.65
26	171739074823	4.0	12.0	7.2
27	181839069464	4.0	12.5	7.4
28	171739064444	1.5	9.5	4.7
29	161639083633	0.0	0.0	0.0
30	161639070123	5.0	11.0	7.4
31	181839066640	3.0	7.25	4.7
32	181839072367	3.0	9.0	5.4
33	181839050744	0.0	7.25	2.9
34	171739067711	0.0	6.5	2.6
35	181839071617	2.0	9.0	4.8
36	181839066324	1.5	7.5	3.9
37	181839065601	4.0	11.0	6.8
38	181839068244	6.0	10.0	7.6
39	181839063259	3.0	8.25	5.1
40	171739065346	2.0	8.0	4.4
41	161639067341	0.0	0.0	0.0
42	171739075960	0.0	0.0	0.0
43	171739070220	14.0	11.0	12.8
44	171739064694	0.0	0.0	0.0
45	181839071167	2.0	12.0	6.0
46	181839067117	0.0	7.25	2.9
47	171739066651	0.0	0.0	0.0
48	171739069165	3.5	11.0	6.5
49	181839072302	0.0	6.0	2.4
50	201539067019	0.25	6.75	2.85
51	19129054134	6.2	6.2	6.2
52	201539076272	2.0	0.0	1.2
53	201439064816	3.5	9.5	5.9
54	21129045350	0.0	6.75	2.7

Signature de l'enseignant:

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Génie de La Réaction I : Réacteurs non -idéaux et Bioréacteurs / Section A

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	2.0	8.5	4.6
2	21069058130	0.0	0.0	0.0
3	171739074827	0.0	0.0	0.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	0.0	0.0
6	181839071646	0.0	0.0	0.0
7	181839066953	3.0	7.75	4.9
8	181839068462	1.5	9.0	4.5
9	171739071456	3.5	0.0	2.1
10	181839062710	1.0	8.25	3.9
11	161639073148	4.0	9.25	6.1
12	18119048382	2.5	8.5	4.9
13	161639070809	0.0	0.0	0.0
14	181839070292	2.0	9.0	4.8
15	181839066556	5.0	8.0	6.2
16	181839072368	7.5	13.5	9.9
17	171739069630	0.0	0.0	0.0
18	181839073662	2.0	8.0	4.4
19	171739065462	4.0	6.0	4.8
20	171739081103	4.0	11.5	7.0
21	171739064583	0.0	0.0	0.0
22	181839063235	4.5	10.0	6.7
23	171739070519	3.0	8.25	5.1
24	171739074239	0.0	0.0	0.0
25	181839069041	3.5	9.5	5.9
26	161739082350	7.0	10.5	8.4
27	171739071180	6.0	12.0	8.4
28	171739068185	0.0	0.0	0.0
29	171739067103	2.25	6.0	3.75
30	181839073623	4.0	10.5	6.6
31	181839069473	2.25	8.75	4.85
32	181839062954	1.0	8.5	4.0
33	181839065214	5.0	9.5	6.8
34	181839065618	0.0	0.0	0.0
35	181839068257	2.0	7.25	4.1
36	181839071168	0.25	8.0	3.35
37	161639076828	0.25	7.25	3.05
38	181839063268	0.75	8.25	3.75
39	181839066353	2.0	10.0	5.2
40	181839067143	0.0	6.5	2.6
41	171739076008	1.0	5.5	2.8
42	181839072339	3.0	8.25	5.1
43	181839064093	3.0	9.0	5.4
44	171739069177	0.0	0.0	0.0
45	171739072841	4.0	8.5	5.8
46	161639065380	0.25	0.0	0.15
47	211539067649	0.0	10.0	4.0
48	211339031941	0.5	7.0	3.1
49	21109042733	2.0	7.25	4.1
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Génie de La Réaction I : Réacteurs non -idéaux et Bioréacteurs / Section A

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	2.0	7.5	4.2
2	181839068281	1.0	7.0	3.4
3	181839069477	4.5	8.5	6.1
4	181839072372	4.0	8.0	5.6
5	181839072343	3.5	10.0	6.1
6	181839071899	3.0	9.0	5.4
7	161639073197	2.5	9.5	5.3
8	171739076022	3.5	7.0	4.9
9	181839069046	5.0	13.5	8.4
10	181839071169	4.0	7.5	5.4
11	171739082354	0.0	9.5	3.8
12	171739069202	5.0	10.0	7.0
13	181839066965	4.5	10.0	6.7
14	21079081252	0.0	0.0	0.0
15	181839062730	1.0	7.5	3.6
16	181839064483	5.0	8.5	6.4
17	181839062996	1.0	6.75	3.3
18	171739064622	3.0	10.0	5.8
19	161639070870	0.0	15.5	6.2
20	181839070297	4.0	8.5	5.8
21	171739067104	3.5	6.0	4.5
22	171739074830	0.0	0.0	0.0
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	6.0	9.0	7.2
26	181839063238	0.0	5.5	2.2
27	161639065542	0.0	0.0	0.0
28	181839067420	0.0	6.5	2.6
29	171739071468	0.0	0.0	0.0
30	181839068464	3.0	8.0	5.0
31	181839067609	0.0	0.0	0.0
32	181839073663	4.0	6.0	4.8
33	181839073637	1.0	8.25	3.9
34	171739065695	3.0	7.25	4.7
35	181839063269	0.25	5.5	2.35
36	171739051965	0.5	7.25	3.2
37	171739070668	2.0	7.25	4.1
38	171739069670	0.0	0.0	0.0
39	171739071182	3.0	8.75	5.3
40	171739074255	0.25	5.5	2.35
41	181839066358	7.5	15.0	10.5
42	161639067400	9.0	10.5	9.6
43	181839065636	5.0	10.5	7.2
44	181839065397	3.0	7.5	4.8
45	171739072843	7.0	9.0	7.8
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	6.5	2.6
48	161539076321	3.5	10.0	6.1
49	21109042745	1.5	9.5	4.7
50	181539053219	5.0	6.5	5.6

Signature de l'enseignant:

Le:

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Génie de La Réaction I : Réacteurs non -idéaux et Bioréacteurs / Section A

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	0.25	7.5	3.15
3	171739072855	3.5	0.0	2.1
4	171739070677	0.0	0.0	0.0
5	171739067203	5.5	8.0	6.5
6	171739075170	2.0	7.5	4.2
7	181839069072	3.0	8.5	5.2
8	181839063208	3.0	8.0	5.0
9	171739064733	0.0	0.0	0.0
10	181839066989	1.0	7.0	3.4
11	161639068495	4.0	0.0	2.4
12	181839068812	5.0	13.0	8.2
13	161739082359	0.25	9.0	3.75
14	181839065646	4.0	14.5	8.2
15	161639074250	0.5	6.25	2.8
16	181839073668	1.0	0.0	0.6
17	181839069716	2.5	8.0	4.7
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	3.5	7.0	4.9
22	21119034252	0.0	0.0	0.0
23	161639077474	0.5	8.0	3.5
24	181839064565	0.0	11.0	4.4
25	181539064784	0.0	0.0	0.0
26	181839073643	3.0	8.5	5.2
27	171739071469	4.0	6.0	4.8
28	161639071502	0.5	0.0	0.3
29	181839067480	4.5	15.0	8.7
30	181839072344	1.5	8.0	4.1
31	181839071949	3.0	9.0	5.4
32	171739068595	0.0	9.5	3.8
33	181839071405	4.0	10.0	6.4
34	171739071186	2.5	8.5	4.9
35	171739076048	14.0	8.5	11.8
36	181839063249	4.0	10.5	6.6
37	161639065774	0.0	0.0	0.0
38	181839062744	3.5	9.5	5.9
39	181839063915	4.5	8.5	6.1
40	181839067972	4.5	10.5	6.9
41	21089051619	0.0	0.0	0.0
42	181839066615	3.5	9.5	5.9
43	171739074354	15.0	8.5	12.4
44	181839070302	2.5	9.5	5.3
45	181839065413	4.0	8.0	5.6
46	171739069277	1.5	6.0	3.3
47	171739066074	5.1	5.1	5.1
48	21129036386	5.0	0.0	3.0
49	201539074100	0.0	0.0	0.0
50	211339049699	0.0	5.0	2.0
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Génie de La Réaction I : Réacteurs non -idéaux et Bioréacteurs / Section A

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	3.5	9.5	5.9
2	161639078520	0.0	7.0	2.8
3	181839067063	0.0	13.5	5.4
4	181839067976	8.5	12.5	10.1
5	181839071455	2.5	6.0	3.9
6	171739064744	0.0	0.0	0.0
7	181839063250	2.0	8.5	4.6
8	181839069073	3.5	11.5	6.7
9	181839064076	2.25	10.0	5.35
10	181839070604	2.5	8.5	4.9
11	161639065861	0.25	0.0	0.15
12	171739073203	0.0	0.0	0.0
13	181839065425	4.0	11.0	6.8
14	181839071969	3.0	10.0	5.8
15	21089053900	0.0	5.75	2.3
16	21119043493	0.0	0.0	0.0
17	20115049759	0.0	0.0	0.0
18	181839064566	4.0	12.0	7.2
19	171739071710	4.0	9.5	6.2
20	181839069765	0.25	7.0	2.95
21	171739070719	1.5	7.0	3.7
22	181839073291	0.0	0.0	0.0
23	181839068425	0.25	10.0	4.15
24	171739074430	0.0	0.0	0.0
25	181839080060	3.0	10.5	6.0
26	181839072345	2.5	7.5	4.5
27	171739071280	5.0	12.5	8.0
28	171739069281	3.5	8.0	5.3
29	171739075278	3.5	6.0	4.5
30	181839067613	0.0	0.0	0.0
31	171739064211	3.5	10.5	6.3
32	181839073647	3.0	7.5	4.8
33	161639069025	3.5	8.5	5.5
34	171739082385	0.5	6.0	2.7
35	181839065657	0.0	0.0	0.0
36	181839062750	2.0	11.0	5.6
37	181539066186	0.0	7.0	2.8
38	181839068854	3.0	10.0	5.8
39	171739066078	2.5	10.5	5.7
40	171739076231	0.5	5.75	2.6
41	181839066504	3.0	8.5	5.2
42	171739070140	4.0	9.0	6.0
43	161539075147	0.0	5.75	2.3
44	171739067356	1.0	9.0	4.2
45	171739068643	0.0	0.0	0.0
46	181839067523	4.0	9.5	6.2
47	181839063225	6.0	10.5	7.8
48	211339057308	9.0	10.5	9.6
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Génie de La Réaction I : Réacteurs non -idéaux et Bioréacteurs / Section A

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	3.0	9.0	5.4
2	171739069284	4.5	8.5	6.1
3	161639078588	4.0	8.5	5.8
4	171739064766	0.0	5.5	2.2
5	181839064572	3.0	7.0	4.6
6	181839062798	4.0	10.5	6.6
7	181839063252	0.0	0.0	0.0
8	181839066622	1.0	7.0	3.4
9	171739071382	0.25	7.5	3.15
10	171739073336	0.25	5.75	2.45
11	181839071973	4.5	10.0	6.7
12	171739064249	3.0	6.25	4.3
13	181839063231	4.5	8.0	5.9
14	21119045401	2.5	10.0	5.5
15	171739074772	5.0	12.0	7.8
16	181839067569	9.0	12.5	10.4
17	171739070194	3.5	8.5	5.5
18	181839068444	5.0	12.0	7.8
19	161639066586	0.0	0.0	0.0
20	181839064085	2.0	8.0	4.4
21	181839067616	0.25	6.5	2.75
22	161639069055	3.0	11.5	6.4
23	181539075199	1.75	8.0	4.25
24	181839065427	3.5	8.5	5.5
25	171739076304	4.5	8.5	6.1
26	181839069074	1.5	8.5	4.3
27	171739071844	5.5	12.5	8.3
28	181839073312	2.5	0.0	1.5
29	181839072347	0.0	0.0	0.0
30	181839071048	10.0	14.0	11.6
31	181839073649	6.0	10.0	7.6
32	171739075355	4.0	10.0	6.4
33	171739067361	13.0	12.0	12.6
34	181839068980	4.0	12.5	7.4
35	161639072471	6.0	9.0	7.2
36	181839071492	0.0	0.0	0.0
37	181839066540	11.0	11.5	11.2
38	181839065661	7.0	15.5	10.4
39	181839067068	4.5	6.5	5.3
40	161639075277	1.5	8.0	4.1
41	171739069038	2.0	8.0	4.4
42	171739066304	3.5	8.5	5.5
43	181839069860	0.0	0.0	0.0
44	18049055164	5.0	12.0	7.8
45	171739070779	3.5	7.0	4.9
46	21099039390	0.0	5.5	2.2
47	181534024010	0.0	6.0	2.4
48	211539079159	7.5	10.5	8.7
49	21129045523	0.0	0.0	0.0
50	211539066888	2.5	10.0	5.5
51	201439055911	3.0	9.5	5.6

Signature de l'enseignant:

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Filière: Génie des Procédés
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Niveau: Arrêté d'habilitation de

Matière: Génie de La Réaction I : Réacteurs non -idéaux et Bioréacteurs / Section A

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	5.0	13.0	8.2
2	181839068982	3.0	11.0	6.2
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	4.0	10.0	6.4
6	181839067113	0.5	0.0	0.3
7	181839066545	0.0	0.0	0.0
8	181839069401	4.5	9.0	6.3
9	161631029915	10.0	12.5	11.0
10	181839062881	5.5	11.5	7.9
11	171739069116	4.5	0.0	2.7
12	181839066629	0.0	6.0	2.4
13	181839064789	3.5	11.0	6.5
14	171739075375	4.0	10.5	6.6
15	181839072355	3.0	9.5	5.6
16	181839063232	4.0	10.0	6.4
17	181839067617	0.0	0.0	0.0
18	171739066565	0.0	0.0	0.0
19	181839068446	0.0	0.0	0.0
20	181839071551	3.0	14.5	7.6
21	161639067288	4.5	6.0	5.1
22	171739070795	3.5	7.25	5.0
23	181839064088	0.25	7.25	3.05
24	161639072561	0.0	5.5	2.2
25	181839067603	0.25	7.0	2.95
26	161639069099	4.0	8.0	5.6
27	181839073658	1.5	8.0	4.1
28	181839071974	1.5	8.0	4.1
29	161639082811	0.0	0.0	0.0
30	171739074822	4.0	7.0	5.2
31	181836048869	10.5	10.5	10.5
32	171739071900	0.0	9.5	3.8
33	181839066301	3.5	7.0	4.9
34	19119046664	1.0	8.0	3.8
35	171739067697	3.5	12.0	6.9
36	181839063256	0.0	0.0	0.0
37	171739065181	0.0	0.0	0.0
38	181839073390	0.0	0.0	0.0
39	171739070210	4.0	10.5	6.6
40	161639075395	0.0	0.0	0.0
41	171739076306	2.5	7.0	4.3
42	181839070196	3.0	9.0	5.4
43	181539066928	0.0	0.0	0.0
44	21069056584	3.0	6.5	4.4
45	171739069289	3.0	10.5	6.0
46	21099043162	0.0	0.0	0.0
47	211439056999	5.0	15.5	9.2
48	20129045617	0.0	0.0	0.0
49	211539076261	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Méthodes Physico-Chimiques D'Analyse / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	13.0	0.0	13.0
2	181839066555	0.0	0.0	0.0
3	19039051334	15.0	0.0	15.0
4	181839067626	0.0	0.0	0.0
5	181839064874	12.5	0.0	12.5
6	181839069032	20.0	0.0	20.0
7	181839062939	0.0	0.0	0.0
8	181839063233	15.0	0.0	15.0
9	161639053253	0.0	0.0	0.0
10	171739071139	10.0	0.0	10.0
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	7.0	0.0	7.0
14	21119047854	0.0	0.0	0.0
15	181839068453	0.0	0.0	0.0
16	2099924438	0.0	0.0	0.0
17	181839073435	0.0	0.0	0.0
18	171739069590	12.5	0.0	12.5
19	181839067606	13.0	0.0	13.0
20	161639072619	12.0	0.0	12.0
21	21069056594	15.5	0.0	15.5
22	171739072831	9.0	0.0	9.0
23	181839070201	0.0	0.0	0.0
24	171739073516	18.0	0.0	18.0
25	181839073660	6.0	0.0	6.0
26	171739074823	5.0	0.0	5.0
27	181839069464	9.0	0.0	9.0
28	171739064444	11.0	0.0	11.0
29	161639083633	9.0	0.0	9.0
30	161639070123	11.5	0.0	11.5
31	181839066640	9.0	0.0	9.0
32	181839072367	12.0	0.0	12.0
33	181839050744	14.0	0.0	14.0
34	171739067711	0.0	0.0	0.0
35	181839071617	13.0	0.0	13.0
36	181839066324	16.0	0.0	16.0
37	181839065601	6.5	0.0	6.5
38	181839068244	14.0	0.0	14.0
39	181839063259	14.0	0.0	14.0
40	171739065346	18.0	0.0	18.0
41	161639067341	12.0	0.0	12.0
42	171739075960	13.0	0.0	13.0
43	171739070220	13.0	0.0	13.0
44	171739064694	0.0	0.0	0.0
45	181839071167	0.0	0.0	0.0
46	181839067117	9.5	0.0	9.5
47	171739066651	17.0	0.0	17.0
48	171739069165	14.0	0.0	14.0
49	181839072302	0.0	0.0	0.0
50	201539067019	12.0	0.0	12.0
51	19129054134	14.0	0.0	14.0
52	201539076272	14.0	0.0	14.0
53	201439064816	15.0	0.0	15.0
54	21129045350	0.0	0.0	0.0

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Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Méthodes Physico-Chimiques D'Analyse / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	13.0	0.0	13.0
2	21069058130	13.0	0.0	13.0
3	171739074827	15.0	0.0	15.0
4	181839067608	0.0	0.0	0.0
5	161639067356	10.0	0.0	10.0
6	181839071646	0.0	0.0	0.0
7	181839066953	8.5	0.0	8.5
8	181839068462	12.0	0.0	12.0
9	171739071456	13.0	0.0	13.0
10	181839062710	12.0	0.0	12.0
11	161639073148	12.0	0.0	12.0
12	18119048382	12.0	0.0	12.0
13	161639070809	0.0	0.0	0.0
14	181839070292	10.0	0.0	10.0
15	181839066556	14.0	0.0	14.0
16	181839072368	16.0	0.0	16.0
17	171739069630	0.0	0.0	0.0
18	181839073662	8.0	0.0	8.0
19	171739065462	11.5	0.0	11.5
20	171739081103	12.0	0.0	12.0
21	171739064583	0.0	0.0	0.0
22	181839063235	19.0	0.0	19.0
23	171739070519	14.0	0.0	14.0
24	171739074239	0.0	0.0	0.0
25	181839069041	11.5	0.0	11.5
26	161739082350	17.0	0.0	17.0
27	171739071180	12.0	0.0	12.0
28	171739068185	0.0	0.0	0.0
29	171739067103	16.0	0.0	16.0
30	181839073623	15.5	0.0	15.5
31	181839069473	7.0	0.0	7.0
32	181839062954	16.5	0.0	16.5
33	181839065214	17.0	0.0	17.0
34	181839065618	0.0	0.0	0.0
35	181839068257	13.0	0.0	13.0
36	181839071168	7.0	0.0	7.0
37	161639076828	10.0	0.0	10.0
38	181839063268	14.0	0.0	14.0
39	181839066353	20.0	0.0	20.0
40	181839067143	8.5	0.0	8.5
41	171739076008	12.0	0.0	12.0
42	181839072339	12.5	0.0	12.5
43	181839064093	13.0	0.0	13.0
44	171739069177	13.0	0.0	13.0
45	171739072841	16.0	0.0	16.0
46	161639065380	16.0	0.0	16.0
47	211539067649	16.0	0.0	16.0
48	211339031941	12.0	0.0	12.0
49	21109042733	19.0	0.0	19.0
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Méthodes Physico-Chimiques D'Analyse / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	3.5	0.0	3.5
2	181839068281	13.0	0.0	13.0
3	181839069477	8.0	0.0	8.0
4	181839072372	16.0	0.0	16.0
5	181839072343	15.0	0.0	15.0
6	181839071899	14.0	0.0	14.0
7	161639073197	10.5	0.0	10.5
8	171739076022	12.0	0.0	12.0
9	181839069046	11.0	0.0	11.0
10	181839071169	8.5	0.0	8.5
11	171739082354	10.0	0.0	10.0
12	171739069202	16.5	0.0	16.5
13	181839066965	1.5	0.0	1.5
14	21079081252	0.0	0.0	0.0
15	181839062730	18.0	0.0	18.0
16	181839064483	11.0	0.0	11.0
17	181839062996	14.0	0.0	14.0
18	171739064622	10.0	0.0	10.0
19	161639070870	1.0	0.0	1.0
20	181839070297	5.0	0.0	5.0
21	171739067104	16.0	0.0	16.0
22	171739074830	11.5	0.0	11.5
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	11.0	0.0	11.0
26	181839063238	0.0	0.0	0.0
27	161639065542	0.0	0.0	0.0
28	181839067420	2.0	0.0	2.0
29	171739071468	0.0	0.0	0.0
30	181839068464	9.0	0.0	9.0
31	181839067609	0.0	0.0	0.0
32	181839073663	12.0	0.0	12.0
33	181839073637	6.5	0.0	6.5
34	171739065695	12.0	0.0	12.0
35	181839063269	9.5	0.0	9.5
36	171739051965	7.0	0.0	7.0
37	171739070668	14.0	0.0	14.0
38	171739069670	0.0	0.0	0.0
39	171739071182	11.0	0.0	11.0
40	171739074255	2.0	0.0	2.0
41	181839066358	20.0	0.0	20.0
42	161639067400	11.0	0.0	11.0
43	181839065636	20.0	0.0	20.0
44	181839065397	12.0	0.0	12.0
45	171739072843	13.0	0.0	13.0
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	0.0	0.0
48	161539076321	11.0	0.0	11.0
49	21109042745	8.0	0.0	8.0
50	181539053219	10.0	0.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Méthodes Physico-Chimiques D'Analyse / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	0.5	0.0	0.5
3	171739072855	11.0	0.0	11.0
4	171739070677	0.0	0.0	0.0
5	171739067203	2.0	0.0	2.0
6	171739075170	11.0	0.0	11.0
7	181839069072	13.5	0.0	13.5
8	181839063208	14.5	0.0	14.5
9	171739064733	0.0	0.0	0.0
10	181839066989	0.5	0.0	0.5
11	161639068495	13.0	0.0	13.0
12	181839068812	17.5	0.0	17.5
13	161739082359	10.0	0.0	10.0
14	181839065646	14.5	0.0	14.5
15	161639074250	8.5	0.0	8.5
16	181839073668	0.0	0.0	0.0
17	181839069716	7.0	0.0	7.0
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	11.0	0.0	11.0
22	21119034252	0.0	0.0	0.0
23	161639077474	14.5	0.0	14.5
24	181839064565	7.5	0.0	7.5
25	181539064784	0.0	0.0	0.0
26	181839073643	10.0	0.0	10.0
27	171739071469	12.0	0.0	12.0
28	161639071502	5.0	0.0	5.0
29	181839067480	15.0	0.0	15.0
30	181839072344	2.5	0.0	2.5
31	181839071949	12.0	0.0	12.0
32	171739068595	7.0	0.0	7.0
33	181839071405	10.0	0.0	10.0
34	171739071186	10.5	0.0	10.5
35	171739076048	13.0	0.0	13.0
36	181839063249	7.5	0.0	7.5
37	161639065774	0.0	0.0	0.0
38	181839062744	10.0	0.0	10.0
39	181839063915	4.0	0.0	4.0
40	181839067972	18.0	0.0	18.0
41	21089051619	0.0	0.0	0.0
42	181839066615	4.5	0.0	4.5
43	171739074354	11.0	0.0	11.0
44	181839070302	0.0	0.0	0.0
45	181839065413	17.0	0.0	17.0
46	171739069277	17.0	0.0	17.0
47	171739066074	15.0	0.0	15.0
48	21129036386	15.5	0.0	15.5
49	201539074100	12.0	0.0	12.0
50	211339049699	0.0	0.0	0.0
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Méthodes Physico-Chimiques D'Analyse / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	14.0	0.0	14.0
2	161639078520	13.0	0.0	13.0
3	181839067063	8.0	0.0	8.0
4	181839067976	14.5	0.0	14.5
5	181839071455	10.5	0.0	10.5
6	171739064744	10.5	0.0	10.5
7	181839063250	5.5	0.0	5.5
8	181839069073	13.0	0.0	13.0
9	181839064076	9.5	0.0	9.5
10	181839070604	8.0	0.0	8.0
11	161639065861	0.0	0.0	0.0
12	171739073203	0.0	0.0	0.0
13	181839065425	9.5	0.0	9.5
14	181839071969	11.0	0.0	11.0
15	21089053900	0.0	0.0	0.0
16	21119043493	0.0	0.0	0.0
17	20115049759	10.0	0.0	10.0
18	181839064566	4.5	0.0	4.5
19	171739071710	15.0	0.0	15.0
20	181839069765	0.0	0.0	0.0
21	171739070719	12.0	0.0	12.0
22	181839073291	0.0	0.0	0.0
23	181839068425	5.5	0.0	5.5
24	171739074430	0.0	0.0	0.0
25	181839080060	10.5	0.0	10.5
26	181839072345	11.0	0.0	11.0
27	171739071280	10.0	0.0	10.0
28	171739069281	14.0	0.0	14.0
29	171739075278	10.0	0.0	10.0
30	181839067613	0.0	0.0	0.0
31	171739064211	17.0	0.0	17.0
32	181839073647	10.0	0.0	10.0
33	161639069025	18.0	0.0	18.0
34	171739082385	10.0	0.0	10.0
35	181839065657	0.0	0.0	0.0
36	181839062750	20.0	0.0	20.0
37	181539066186	10.0	0.0	10.0
38	181839068854	4.0	0.0	4.0
39	171739066078	11.5	0.0	11.5
40	171739076231	9.5	0.0	9.5
41	181839066504	9.5	0.0	9.5
42	171739070140	11.0	0.0	11.0
43	161539075147	0.0	0.0	0.0
44	171739067356	10.0	0.0	10.0
45	171739068643	10.0	0.0	10.0
46	181839067523	5.0	0.0	5.0
47	181839063225	4.0	0.0	4.0
48	211339057308	12.0	0.0	12.0
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Méthodes Physico-Chimiques D'Analyse / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	0.0	0.0	0.0
2	171739069284	13.0	0.0	13.0
3	161639078588	12.0	0.0	12.0
4	171739064766	0.0	0.0	0.0
5	181839064572	7.5	0.0	7.5
6	181839062798	11.5	0.0	11.5
7	181839063252	0.0	0.0	0.0
8	181839066622	4.0	0.0	4.0
9	171739071382	10.0	0.0	10.0
10	171739073336	15.0	0.0	15.0
11	181839071973	16.0	0.0	16.0
12	171739064249	14.0	0.0	14.0
13	181839063231	16.0	0.0	16.0
14	21119045401	17.0	0.0	17.0
15	171739074772	11.0	0.0	11.0
16	181839067569	5.5	0.0	5.5
17	171739070194	10.0	0.0	10.0
18	181839068444	15.0	0.0	15.0
19	161639066586	0.0	0.0	0.0
20	181839064085	3.0	0.0	3.0
21	181839067616	5.0	0.0	5.0
22	161639069055	15.0	0.0	15.0
23	181539075199	7.0	0.0	7.0
24	181839065427	6.5	0.0	6.5
25	171739076304	11.0	0.0	11.0
26	181839069074	16.0	0.0	16.0
27	171739071844	10.0	0.0	10.0
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	19.0	0.0	19.0
31	181839073649	12.0	0.0	12.0
32	171739075355	13.0	0.0	13.0
33	171739067361	18.5	0.0	18.5
34	181839068980	8.0	0.0	8.0
35	161639072471	12.0	0.0	12.0
36	181839071492	0.0	0.0	0.0
37	181839066540	16.5	0.0	16.5
38	181839065661	15.0	0.0	15.0
39	181839067068	8.0	0.0	8.0
40	161639075277	15.0	0.0	15.0
41	171739069038	11.0	0.0	11.0
42	171739066304	14.0	0.0	14.0
43	181839069860	0.0	0.0	0.0
44	18049055164	10.0	0.0	10.0
45	171739070779	15.0	0.0	15.0
46	21099039390	0.0	0.0	0.0
47	181534024010	20.0	0.0	20.0
48	211539079159	16.0	0.0	16.0
49	21129045523	0.0	0.0	0.0
50	211539066888	13.0	0.0	13.0
51	201439055911	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Méthodes Physico-Chimiques D'Analyse / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	16.0	0.0	16.0
2	181839068982	12.5	0.0	12.5
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	15.0	0.0	15.0
6	181839067113	4.0	0.0	4.0
7	181839066545	0.0	0.0	0.0
8	181839069401	14.0	0.0	14.0
9	161631029915	17.5	0.0	17.5
10	181839062881	17.0	0.0	17.0
11	171739069116	13.0	0.0	13.0
12	181839066629	0.0	0.0	0.0
13	181839064789	7.0	0.0	7.0
14	171739075375	12.0	0.0	12.0
15	181839072355	13.0	0.0	13.0
16	181839063232	18.0	0.0	18.0
17	181839067617	0.0	0.0	0.0
18	171739066565	15.0	0.0	15.0
19	181839068446	0.0	0.0	0.0
20	181839071551	12.0	0.0	12.0
21	161639067288	12.0	0.0	12.0
22	171739070795	10.0	0.0	10.0
23	181839064088	18.5	0.0	18.5
24	161639072561	0.0	0.0	0.0
25	181839067603	8.0	0.0	8.0
26	161639069099	13.0	0.0	13.0
27	181839073658	2.0	0.0	2.0
28	181839071974	13.0	0.0	13.0
29	161639082811	0.0	0.0	0.0
30	171739074822	10.0	0.0	10.0
31	181836048869	18.0	0.0	18.0
32	171739071900	16.0	0.0	16.0
33	181839066301	13.0	0.0	13.0
34	19119046664	17.0	0.0	17.0
35	171739067697	5.0	0.0	5.0
36	181839063256	0.0	0.0	0.0
37	171739065181	12.0	0.0	12.0
38	181839073390	0.0	0.0	0.0
39	171739070210	10.0	0.0	10.0
40	161639075395	10.0	0.0	10.0
41	171739076306	12.0	0.0	12.0
42	181839070196	14.0	0.0	14.0
43	181539066928	0.0	0.0	0.0
44	21069056584	9.0	0.0	9.0
45	171739069289	11.0	0.0	11.0
46	21099043162	0.0	0.0	0.0
47	211439056999	16.0	0.0	16.0
48	20129045617	0.0	0.0	0.0
49	211539076261	12.0	0.0	12.0

Signature de l'enseignant:

Le:

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Filière: Génie des Procédés
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Niveau: Arrêté d'habilitation de

Matière: Opérations Unitaires 1 (Absorption -Strippage-Extraction-Mélangeage) /

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	12.5	12.0	12.3
2	181839066555	0.0	0.0	0.0
3	19039051334	10.0	6.0	8.4
4	181839067626	0.0	0.0	0.0
5	181839064874	4.5	6.0	5.1
6	181839069032	7.5	12.0	9.3
7	181839062939	0.0	0.0	0.0
8	181839063233	9.0	13.5	10.8
9	161639053253	0.0	0.0	0.0
10	171739071139	10.35	10.35	10.35
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	9.0	12.0	10.2
14	21119047854	0.0	0.0	0.0
15	181839068453	0.0	0.0	0.0
16	2099924438	6.5	9.0	7.5
17	181839073435	0.0	0.0	0.0
18	171739069590	11.0	13.5	12.0
19	181839067606	4.5	6.0	5.1
20	161639072619	10.5	11.0	10.7
21	21069056594	8.5	10.0	9.1
22	171739072831	9.0	12.0	10.2
23	181839070201	0.0	0.0	0.0
24	171739073516	10.2	10.2	10.2
25	181839073660	6.0	11.5	8.2
26	171739074823	10.65	10.65	10.65
27	181839069464	11.0	12.0	11.4
28	171739064444	7.5	7.5	7.5
29	161639083633	4.5	0.0	2.7
30	161639070123	10.6	10.6	10.6
31	181839066640	9.5	11.0	10.1
32	181839072367	12.5	7.5	10.5
33	181839050744	9.0	12.0	10.2
34	171739067711	0.0	6.0	2.4
35	181839071617	9.0	6.0	7.8
36	181839066324	12.0	14.5	13.0
37	181839065601	4.5	12.0	7.5
38	181839068244	8.5	6.0	7.5
39	181839063259	9.5	11.5	10.3
40	171739065346	6.5	11.5	8.5
41	161639067341	12.25	12.25	12.25
42	171739075960	0.0	7.5	3.0
43	171739070220	10.0	12.5	11.0
44	171739064694	0.0	0.0	0.0
45	181839071167	7.5	7.5	7.5
46	181839067117	9.5	6.0	8.1
47	171739066651	0.0	12.0	4.8
48	171739069165	6.0	10.5	7.8
49	181839072302	5.0	6.0	5.4
50	201539067019	6.0	6.0	6.0
51	19129054134	10.55	10.55	10.55
52	201539076272	5.0	9.5	6.8
53	201439064816	10.0	10.5	10.2
54	21129045350	0.0	6.0	2.4

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Filière: Génie des Procédés
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Niveau: Arrêté d'habilitation de

Matière: Opérations Unitaires 1 (Absorption -Strippage-Extraction-Mélangeage) /

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	9.0	10.0	9.4
2	21069058130	5.5	0.0	3.3
3	171739074827	0.0	0.0	0.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	0.0	0.0
6	181839071646	0.0	0.0	0.0
7	181839066953	7.5	7.5	7.5
8	181839068462	10.0	15.0	12.0
9	171739071456	7.0	11.5	8.8
10	181839062710	9.0	12.0	10.2
11	161639073148	10.65	10.65	10.65
12	18119048382	0.0	6.5	2.6
13	161639070809	0.0	0.0	0.0
14	181839070292	7.0	11.0	8.6
15	181839066556	11.0	12.5	11.6
16	181839072368	11.0	12.0	11.4
17	171739069630	0.0	0.0	0.0
18	181839073662	6.5	8.5	7.3
19	171739065462	13.5	8.5	11.5
20	171739081103	7.0	12.5	9.2
21	171739064583	0.0	0.0	0.0
22	181839063235	9.5	14.0	11.3
23	171739070519	11.0	9.5	10.4
24	171739074239	0.0	0.0	0.0
25	181839069041	9.5	15.0	11.7
26	161739082350	14.0	17.0	15.2
27	171739071180	11.0	12.5	11.6
28	171739068185	0.0	0.0	0.0
29	171739067103	7.0	10.5	8.4
30	181839073623	9.0	11.5	10.0
31	181839069473	5.5	11.5	7.9
32	181839062954	4.5	12.0	7.5
33	181839065214	9.0	13.0	10.6
34	181839065618	0.0	0.0	0.0
35	181839068257	8.0	9.5	8.6
36	181839071168	6.5	9.5	7.7
37	161639076828	8.0	11.5	9.4
38	181839063268	8.0	7.5	7.8
39	181839066353	10.0	13.5	11.4
40	181839067143	5.0	9.0	6.6
41	171739076008	5.5	6.0	5.7
42	181839072339	8.5	13.5	10.5
43	181839064093	8.0	10.5	9.0
44	171739069177	0.0	0.0	0.0
45	171739072841	7.0	15.0	10.2
46	161639065380	11.25	11.25	11.25
47	211539067649	6.0	10.0	7.6
48	211339031941	9.0	6.0	7.8
49	21109042733	5.5	7.5	6.3
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

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Niveau: Arrêté d'habilitation de

Matière: Opérations Unitaires 1 (Absorption -Strippage-Extraction-Mélangeage) /

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	9.5	11.0	10.1
2	181839068281	14.0	9.5	12.2
3	181839069477	6.5	10.0	7.9
4	181839072372	11.0	12.0	11.4
5	181839072343	11.0	12.0	11.4
6	181839071899	10.0	10.0	10.0
7	161639073197	4.5	8.5	6.1
8	171739076022	10.2	10.2	10.2
9	181839069046	7.0	12.0	9.0
10	181839071169	7.0	6.0	6.6
11	171739082354	0.0	0.0	0.0
12	171739069202	11.0	12.0	11.4
13	181839066965	9.5	11.5	10.3
14	21079081252	0.0	0.0	0.0
15	181839062730	7.5	11.0	8.9
16	181839064483	9.5	13.0	10.9
17	181839062996	7.5	11.5	9.1
18	171739064622	9.5	11.0	10.1
19	161639070870	9.5	12.0	10.5
20	181839070297	7.0	11.5	8.8
21	171739067104	10.5	11.0	10.7
22	171739074830	10.05	10.05	10.05
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	10.2	10.2	10.2
26	181839063238	6.0	6.0	6.0
27	161639065542	4.5	6.0	5.1
28	181839067420	5.0	6.0	5.4
29	171739071468	0.0	0.0	0.0
30	181839068464	6.0	6.0	6.0
31	181839067609	0.0	0.0	0.0
32	181839073663	10.0	9.0	9.6
33	181839073637	9.5	7.5	8.7
34	171739065695	10.4	10.4	10.4
35	181839063269	5.5	8.5	6.7
36	171739051965	7.0	9.0	7.8
37	171739070668	10.0	10.0	10.0
38	171739069670	0.0	0.0	0.0
39	171739071182	7.0	8.5	7.6
40	171739074255	4.5	9.0	6.3
41	181839066358	11.5	14.0	12.5
42	161639067400	11.7	11.7	11.7
43	181839065636	12.0	13.0	12.4
44	181839065397	7.5	9.0	8.1
45	171739072843	9.5	7.5	8.7
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	9.0	3.6
48	161539076321	9.5	9.0	9.3
49	21109042745	9.5	11.0	10.1
50	181539053219	9.5	9.5	9.5

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Filière: Génie des Procédés
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Niveau: Arrêté d'habilitation de

Matière: Opérations Unitaires 1 (Absorption -Strippage-Extraction-Mélangeage) /

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	5.5	8.5	6.7
3	171739072855	13.9	13.9	13.9
4	171739070677	0.0	0.0	0.0
5	171739067203	8.5	0.0	5.1
6	171739075170	5.5	8.0	6.5
7	181839069072	8.0	8.5	8.2
8	181839063208	11.5	14.5	12.7
9	171739064733	0.0	0.0	0.0
10	181839066989	0.0	9.0	3.6
11	161639068495	7.0	10.0	8.2
12	181839068812	11.5	9.5	10.7
13	161739082359	10.5	15.0	12.3
14	181839065646	8.5	12.5	10.1
15	161639074250	7.0	9.5	8.0
16	181839073668	6.0	9.0	7.2
17	181839069716	6.5	9.0	7.5
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	7.0	7.5	7.2
22	21119034252	0.0	0.0	0.0
23	161639077474	7.5	14.0	10.1
24	181839064565	7.5	14.0	10.1
25	181539064784	0.0	0.0	0.0
26	181839073643	9.0	14.5	11.2
27	171739071469	14.5	11.5	13.3
28	161639071502	5.5	7.5	6.3
29	181839067480	9.5	8.0	8.9
30	181839072344	5.0	11.0	7.4
31	181839071949	6.5	11.5	8.5
32	171739068595	4.5	11.0	7.1
33	181839071405	8.5	9.0	8.7
34	171739071186	8.5	9.5	8.9
35	171739076048	11.4	11.4	11.4
36	181839063249	10.0	13.5	11.4
37	161639065774	0.0	0.0	0.0
38	181839062744	8.0	13.5	10.2
39	181839063915	7.0	10.5	8.4
40	181839067972	8.0	10.5	9.0
41	21089051619	0.0	0.0	0.0
42	181839066615	7.5	14.5	10.3
43	171739074354	11.5	9.5	10.7
44	181839070302	9.5	15.0	11.7
45	181839065413	9.0	11.5	10.0
46	171739069277	8.5	10.0	9.1
47	171739066074	9.0	9.0	9.0
48	21129036386	11.0	9.25	10.3
49	201539074100	0.0	0.0	0.0
50	211339049699	0.0	0.0	0.0
51	161539077736	0.0	0.0	0.0

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Filière: Génie des Procédés
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Niveau: Arrêté d'habilitation de

Matière: Opérations Unitaires 1 (Absorption -Strippage-Extraction-Mélangeage) /

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	9.5	13.5	11.1
2	161639078520	9.0	10.0	9.4
3	181839067063	9.5	13.5	11.1
4	181839067976	11.5	13.5	12.3
5	181839071455	8.0	13.5	10.2
6	171739064744	14.6	14.6	14.6
7	181839063250	8.0	10.5	9.0
8	181839069073	8.5	12.5	10.1
9	181839064076	7.5	14.0	10.1
10	181839070604	11.0	9.0	10.2
11	161639065861	5.0	5.0	5.0
12	171739073203	0.0	0.0	0.0
13	181839065425	5.5	14.5	9.1
14	181839071969	9.0	12.0	10.2
15	21089053900	0.0	7.5	3.0
16	21119043493	0.0	0.0	0.0
17	20115049759	0.0	0.0	0.0
18	181839064566	7.0	8.0	7.4
19	171739071710	9.5	11.0	10.1
20	181839069765	0.0	9.5	3.8
21	171739070719	8.5	9.5	8.9
22	181839073291	0.0	0.0	0.0
23	181839068425	7.5	14.0	10.1
24	171739074430	0.0	0.0	0.0
25	181839080060	7.5	14.5	10.3
26	181839072345	8.5	12.5	10.1
27	171739071280	10.0	14.0	11.6
28	171739069281	10.5	13.0	11.5
29	171739075278	12.6	12.6	12.6
30	181839067613	0.0	0.0	0.0
31	171739064211	7.5	14.0	10.1
32	181839073647	8.0	9.5	8.6
33	161639069025	7.5	16.0	10.9
34	171739082385	10.8	10.8	10.8
35	181839065657	0.0	0.0	0.0
36	181839062750	5.5	13.5	8.7
37	181539066186	5.0	7.75	6.1
38	181839068854	5.0	7.5	6.0
39	171739066078	8.0	9.5	8.6
40	171739076231	4.5	8.5	6.1
41	181839066504	10.5	9.5	10.1
42	171739070140	9.0	13.0	10.6
43	161539075147	0.0	0.0	0.0
44	171739067356	6.5	13.5	9.3
45	171739068643	0.0	0.0	0.0
46	181839067523	9.0	11.5	10.0
47	181839063225	8.5	9.0	8.7
48	211339057308	10.5	12.5	11.3
49	161539077808	0.0	0.0	0.0

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Niveau: Arrêté d'habilitation de

Matière: Opérations Unitaires 1 (Absorption -Strippage-Extraction-Mélangeage) /

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	6.0	12.5	8.6
2	171739069284	12.5	10.0	11.5
3	161639078588	11.5	16.0	13.3
4	171739064766	0.0	0.0	0.0
5	181839064572	7.0	16.0	10.6
6	181839062798	9.0	14.0	11.0
7	181839063252	0.0	0.0	0.0
8	181839066622	9.0	9.5	9.2
9	171739071382	6.5	9.5	7.7
10	171739073336	7.5	9.5	8.3
11	181839071973	6.0	13.0	8.8
12	171739064249	12.0	9.5	11.0
13	181839063231	8.5	14.0	10.7
14	21119045401	5.5	9.5	7.1
15	171739074772	10.8	10.8	10.8
16	181839067569	7.5	14.5	10.3
17	171739070194	8.0	10.0	8.8
18	181839068444	10.0	11.0	10.4
19	161639066586	0.0	0.0	0.0
20	181839064085	6.5	6.0	6.3
21	181839067616	1.0	8.75	4.1
22	161639069055	9.0	12.0	10.2
23	181539075199	5.5	12.0	8.1
24	181839065427	12.0	14.0	12.8
25	171739076304	8.0	11.5	9.4
26	181839069074	5.0	9.5	6.8
27	171739071844	9.0	13.5	10.8
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	6.5	10.5	8.1
31	181839073649	11.5	13.5	12.3
32	171739075355	7.5	14.0	10.1
33	171739067361	12.5	14.5	13.3
34	181839068980	10.5	12.0	11.1
35	161639072471	10.8	10.8	10.8
36	181839071492	0.0	0.0	0.0
37	181839066540	10.5	14.5	12.1
38	181839065661	6.5	13.5	9.3
39	181839067068	9.0	14.5	11.2
40	161639075277	10.0	10.5	10.2
41	171739069038	14.0	16.0	14.8
42	171739066304	7.0	9.5	8.0
43	181839069860	4.5	0.0	2.7
44	18049055164	9.0	9.5	9.2
45	171739070779	10.05	10.05	10.05
46	21099039390	0.0	9.0	3.6
47	181534024010	5.0	0.0	3.0
48	211539079159	9.5	14.5	11.5
49	21129045523	0.0	0.0	0.0
50	211539066888	7.0	10.0	8.2
51	201439055911	8.5	13.0	10.3

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Matière: Opérations Unitaires 1 (Absorption -Strippage-Extraction-Mélangeage) /

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	12.5	13.5	12.9
2	181839068982	6.5	9.0	7.5
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	7.0	13.0	9.4
6	181839067113	5.0	10.0	7.0
7	181839066545	0.0	0.0	0.0
8	181839069401	11.0	9.5	10.4
9	161631029915	10.0	10.5	10.2
10	181839062881	7.5	14.5	10.3
11	171739069116	7.5	11.0	8.9
12	181839066629	0.0	9.0	3.6
13	181839064789	6.5	11.5	8.5
14	171739075375	6.0	9.5	7.4
15	181839072355	8.0	9.5	8.6
16	181839063232	7.5	16.0	10.9
17	181839067617	0.0	0.0	0.0
18	171739066565	0.0	0.0	0.0
19	181839068446	0.0	0.0	0.0
20	181839071551	11.0	11.5	11.2
21	161639067288	5.5	9.5	7.1
22	171739070795	11.0	15.0	12.6
23	181839064088	9.0	13.5	10.8
24	161639072561	0.0	9.0	3.6
25	181839067603	1.0	6.0	3.0
26	161639069099	9.0	12.0	10.2
27	181839073658	8.5	10.0	9.1
28	181839071974	5.5	11.5	7.9
29	161639082811	0.0	0.0	0.0
30	171739074822	10.0	8.5	9.4
31	181836048869	11.0	14.5	12.4
32	171739071900	0.0	14.0	5.6
33	181839066301	5.0	9.5	6.8
34	19119046664	0.0	0.0	0.0
35	171739067697	5.0	11.0	7.4
36	181839063256	0.0	0.0	0.0
37	171739065181	0.0	11.0	4.4
38	181839073390	0.0	0.0	0.0
39	171739070210	11.75	11.75	11.75
40	161639075395	0.0	0.0	0.0
41	171739076306	9.0	7.0	8.2
42	181839070196	9.0	12.0	10.2
43	181539066928	0.0	0.0	0.0
44	21069056584	0.0	13.75	5.5
45	171739069289	9.5	14.5	11.5
46	21099043162	0.0	7.5	3.0
47	211439056999	8.5	14.0	10.7
48	20129045617	0.0	0.0	0.0
49	211539076261	4.5	9.0	6.3

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Simulateurs en Génie des Procédés / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	12.6	12.6	12.6
2	181839066555	0.0	0.0	0.0
3	19039051334	12.0	12.0	12.0
4	181839067626	0.0	0.0	0.0
5	181839064874	4.0	0.0	2.4
6	181839069032	5.0	13.5	8.4
7	181839062939	0.0	0.0	0.0
8	181839063233	9.0	14.0	11.0
9	161639053253	0.0	0.0	0.0
10	171739071139	12.4	12.4	12.4
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	0.0	12.0	4.8
14	21119047854	0.0	0.0	0.0
15	181839068453	0.0	0.0	0.0
16	2099924438	0.0	12.0	4.8
17	181839073435	0.0	0.0	0.0
18	171739069590	14.0	13.5	13.8
19	181839067606	4.0	13.0	7.6
20	161639072619	13.2	13.2	13.2
21	21069056594	15.0	14.5	14.8
22	171739072831	13.6	13.6	13.6
23	181839070201	0.0	0.0	0.0
24	171739073516	13.2	13.2	13.2
25	181839073660	4.0	13.0	7.6
26	171739074823	12.2	12.2	12.2
27	181839069464	17.0	14.5	16.0
28	171739064444	10.2	10.2	10.2
29	161639083633	4.0	0.0	2.4
30	161639070123	12.6	12.6	12.6
31	181839066640	15.0	14.5	14.8
32	181839072367	8.0	13.5	10.2
33	181839050744	8.0	12.0	9.6
34	171739067711	0.0	14.5	5.8
35	181839071617	20.0	15.0	18.0
36	181839066324	14.0	14.0	14.0
37	181839065601	12.0	13.0	12.4
38	181839068244	6.0	13.5	9.0
39	181839063259	12.0	13.5	12.6
40	171739065346	12.0	13.5	12.6
41	161639067341	12.4	12.4	12.4
42	171739075960	4.0	0.0	2.4
43	171739070220	8.2	8.2	8.2
44	171739064694	14.4	14.4	14.4
45	181839071167	12.0	14.5	13.0
46	181839067117	4.0	15.0	8.4
47	171739066651	9.0	9.0	9.0
48	171739069165	9.0	13.0	10.6
49	181839072302	6.0	15.0	9.6
50	201539067019	14.0	14.0	14.0
51	19129054134	10.0	10.0	10.0
52	201539076272	11.6	11.6	11.6
53	201439064816	8.8	8.8	8.8
54	21129045350	2.0	14.0	6.8

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Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Simulateurs en Génie des Procédés / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	6.0	13.5	9.0
2	21069058130	8.0	0.0	4.8
3	171739074827	10.0	10.0	10.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	0.0	0.0
6	181839071646	0.0	0.0	0.0
7	181839066953	8.0	14.0	10.4
8	181839068462	12.0	14.0	12.8
9	171739071456	10.6	10.6	10.6
10	181839062710	8.0	14.5	10.6
11	161639073148	11.2	11.2	11.2
12	18119048382	0.0	14.5	5.8
13	161639070809	10.6	10.6	10.6
14	181839070292	12.0	12.0	12.0
15	181839066556	8.0	14.0	10.4
16	181839072368	15.0	0.0	9.0
17	171739069630	14.0	0.0	8.4
18	181839073662	11.0	15.0	12.6
19	171739065462	10.4	10.4	10.4
20	171739081103	10.0	10.0	10.0
21	171739064583	0.0	0.0	0.0
22	181839063235	12.0	0.0	7.2
23	171739070519	13.6	13.6	13.6
24	171739074239	0.0	0.0	0.0
25	181839069041	10.0	13.5	11.4
26	161739082350	19.0	14.0	17.0
27	171739071180	9.8	9.8	9.8
28	171739068185	10.8	10.8	10.8
29	171739067103	11.8	11.8	11.8
30	181839073623	8.0	13.0	10.0
31	181839069473	8.0	14.5	10.6
32	181839062954	10.0	13.0	11.2
33	181839065214	6.0	15.0	9.6
34	181839065618	0.0	0.0	0.0
35	181839068257	6.0	13.0	8.8
36	181839071168	4.0	14.5	8.2
37	161639076828	8.0	13.0	10.0
38	181839063268	8.0	13.5	10.2
39	181839066353	12.0	13.5	12.6
40	181839067143	0.0	15.5	6.2
41	171739076008	14.2	14.2	14.2
42	181839072339	8.0	14.0	10.4
43	181839064093	8.0	15.0	10.8
44	171739069177	10.8	10.8	10.8
45	171739072841	12.6	12.6	12.6
46	161639065380	7.6	7.6	7.6
47	211539067649	18.0	15.0	16.8
48	211339031941	2.0	14.0	6.8
49	21109042733	8.0	13.0	10.0
50	211539076295	0.0	0.0	0.0

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Simulateurs en Génie des Procédés / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	10.0	14.0	11.6
2	181839068281	8.0	13.0	10.0
3	181839069477	6.0	14.0	9.2
4	181839072372	8.0	13.5	10.2
5	181839072343	9.0	13.5	10.8
6	181839071899	12.0	14.5	13.0
7	161639073197	6.0	13.0	8.8
8	171739076022	11.0	11.0	11.0
9	181839069046	14.0	14.0	14.0
10	181839071169	8.0	14.5	10.6
11	171739082354	13.0	0.0	7.8
12	171739069202	8.0	15.0	10.8
13	181839066965	8.0	13.0	10.0
14	21079081252	0.0	0.0	0.0
15	181839062730	14.0	14.5	14.2
16	181839064483	12.0	13.5	12.6
17	181839062996	6.0	13.0	8.8
18	171739064622	8.0	14.5	10.6
19	161639070870	4.0	14.0	8.0
20	181839070297	12.0	13.5	12.6
21	171739067104	11.8	11.8	11.8
22	171739074830	11.2	11.2	11.2
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	10.0	10.0	10.0
26	181839063238	8.0	0.0	4.8
27	161639065542	10.2	10.2	10.2
28	181839067420	0.0	13.5	5.4
29	171739071468	9.2	9.2	9.2
30	181839068464	6.0	14.0	9.2
31	181839067609	0.0	0.0	0.0
32	181839073663	9.0	13.0	10.6
33	181839073637	8.0	13.0	10.0
34	171739065695	12.6	12.6	12.6
35	181839063269	8.0	13.0	10.0
36	171739051965	4.0	13.0	7.6
37	171739070668	10.8	10.8	10.8
38	171739069670	0.0	0.0	0.0
39	171739071182	10.4	10.4	10.4
40	171739074255	6.0	13.0	8.8
41	181839066358	18.0	16.0	17.2
42	161639067400	11.2	11.2	11.2
43	181839065636	12.0	13.0	12.4
44	181839065397	6.0	15.0	9.6
45	171739072843	14.0	14.0	14.0
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	0.0	0.0
48	161539076321	8.0	13.5	10.2
49	21109042745	0.0	14.0	5.6
50	181539053219	13.4	13.4	13.4

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2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Simulateurs en Génie des Procédés / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	4.0	13.5	7.8
3	171739072855	13.8	13.8	13.8
4	171739070677	0.0	0.0	0.0
5	171739067203	6.0	13.5	9.0
6	171739075170	4.0	15.0	8.4
7	181839069072	10.0	15.0	12.0
8	181839063208	12.0	13.5	12.6
9	171739064733	14.4	14.4	14.4
10	181839066989	4.0	14.0	8.0
11	161639068495	12.0	12.0	12.0
12	181839068812	8.0	15.0	10.8
13	161739082359	11.6	11.6	11.6
14	181839065646	2.0	14.0	6.8
15	161639074250	6.0	13.5	9.0
16	181839073668	2.0	13.0	6.4
17	181839069716	6.0	13.0	8.8
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	6.0	14.0	9.2
22	21119034252	0.0	0.0	0.0
23	161639077474	12.0	15.0	13.2
24	181839064565	4.0	15.0	8.4
25	181539064784	9.8	9.8	9.8
26	181839073643	8.0	16.0	11.2
27	171739071469	15.4	15.4	15.4
28	161639071502	13.0	0.0	7.8
29	181839067480	12.0	14.0	12.8
30	181839072344	6.0	15.0	9.6
31	181839071949	11.0	15.0	12.6
32	171739068595	2.0	0.0	1.2
33	181839071405	8.0	15.0	10.8
34	171739071186	8.0	14.0	10.4
35	171739076048	14.4	14.4	14.4
36	181839063249	14.0	15.5	14.6
37	161639065774	11.8	11.8	11.8
38	181839062744	16.0	14.5	15.4
39	181839063915	10.0	14.0	11.6
40	181839067972	8.0	13.5	10.2
41	21089051619	0.0	0.0	0.0
42	181839066615	6.0	14.5	9.4
43	171739074354	10.6	10.6	10.6
44	181839070302	8.0	0.0	4.8
45	181839065413	2.0	15.5	7.4
46	171739069277	9.2	9.2	9.2
47	171739066074	11.4	11.4	11.4
48	21129036386	8.0	14.0	10.4
49	201539074100	10.8	10.8	10.8
50	211339049699	14.0	0.0	8.4
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Simulateurs en Génie des Procédés / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	8.8	8.8	8.8
2	161639078520	13.6	13.6	13.6
3	181839067063	10.0	14.0	11.6
4	181839067976	12.0	14.0	12.8
5	181839071455	14.0	15.5	14.6
6	171739064744	10.8	10.8	10.8
7	181839063250	6.0	14.5	9.4
8	181839069073	11.0	15.0	12.6
9	181839064076	12.0	14.5	13.0
10	181839070604	14.0	13.5	13.8
11	161639065861	1.0	0.0	0.6
12	171739073203	0.0	0.0	0.0
13	181839065425	4.0	13.0	7.6
14	181839071969	10.0	15.0	12.0
15	21089053900	0.0	13.0	5.2
16	21119043493	0.0	0.0	0.0
17	20115049759	11.2	11.2	11.2
18	181839064566	8.0	15.0	10.8
19	171739071710	12.4	12.4	12.4
20	181839069765	2.0	0.0	1.2
21	171739070719	4.0	12.0	7.2
22	181839073291	0.0	0.0	0.0
23	181839068425	6.0	15.5	9.8
24	171739074430	0.0	0.0	0.0
25	181839080060	6.0	15.0	9.6
26	181839072345	6.0	14.0	9.2
27	171739071280	11.2	11.2	11.2
28	171739069281	10.4	10.4	10.4
29	171739075278	9.2	9.2	9.2
30	181839067613	0.0	0.0	0.0
31	171739064211	11.6	11.6	11.6
32	181839073647	7.0	13.5	9.6
33	161639069025	12.0	14.5	13.0
34	171739082385	11.2	11.2	11.2
35	181839065657	0.0	0.0	0.0
36	181839062750	15.0	13.5	14.4
37	181539066186	11.0	11.0	11.0
38	181839068854	9.0	13.0	10.6
39	171739066078	13.2	13.2	13.2
40	171739076231	2.0	0.0	1.2
41	181839066504	8.0	14.5	10.6
42	171739070140	7.6	13.0	9.76
43	161539075147	0.0	0.0	0.0
44	171739067356	12.8	12.8	12.8
45	171739068643	10.8	10.8	10.8
46	181839067523	6.0	14.0	9.2
47	181839063225	12.0	14.0	12.8
48	211339057308	10.0	15.0	12.0
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Simulateurs en Génie des Procédés / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	4.0	13.0	7.6
2	171739069284	10.2	10.2	10.2
3	161639078588	13.4	13.4	13.4
4	171739064766	0.0	0.0	0.0
5	181839064572	5.0	15.0	9.0
6	181839062798	4.0	15.0	8.4
7	181839063252	0.0	0.0	0.0
8	181839066622	10.0	14.0	11.6
9	171739071382	14.0	0.0	8.4
10	171739073336	9.0	15.0	11.4
11	181839071973	6.0	14.5	9.4
12	171739064249	12.0	13.5	12.6
13	181839063231	14.0	14.5	14.2
14	21119045401	10.0	15.0	12.0
15	171739074772	8.2	8.2	8.2
16	181839067569	12.0	16.5	13.8
17	171739070194	15.6	15.6	15.6
18	181839068444	16.0	13.0	14.8
19	161639066586	10.0	10.0	10.0
20	181839064085	11.0	0.0	6.6
21	181839067616	2.0	14.0	6.8
22	161639069055	10.0	15.0	12.0
23	181539075199	10.0	15.0	12.0
24	181839065427	14.0	13.0	13.6
25	171739076304	10.6	10.6	10.6
26	181839069074	10.0	13.5	11.4
27	171739071844	10.0	10.0	10.0
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	19.0	14.5	17.2
31	181839073649	4.0	13.5	7.8
32	171739075355	10.0	14.0	11.6
33	171739067361	12.8	12.8	12.8
34	181839068980	19.0	14.0	17.0
35	161639072471	12.4	12.4	12.4
36	181839071492	0.0	0.0	0.0
37	181839066540	15.0	15.5	15.2
38	181839065661	10.0	13.5	11.4
39	181839067068	9.0	16.0	11.8
40	161639075277	11.6	11.6	11.6
41	171739069038	8.0	13.0	10.0
42	171739066304	11.6	11.6	11.6
43	181839069860	4.0	0.0	2.4
44	18049055164	12.0	15.0	13.2
45	171739070779	13.8	13.8	13.8
46	21099039390	0.0	0.0	0.0
47	181534024010	17.0	17.0	17.0
48	211539079159	4.0	15.5	8.6
49	21129045523	0.0	0.0	0.0
50	211539066888	6.0	11.0	8.0
51	201439055911	7.8	7.8	7.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Simulateurs en Génie des Procédés / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	13.6	13.6	13.6
2	181839068982	4.0	14.5	8.2
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	14.4	14.4	14.4
6	181839067113	1.0	13.0	5.8
7	181839066545	0.0	0.0	0.0
8	181839069401	12.0	13.0	12.4
9	161631029915	12.0	15.0	13.2
10	181839062881	14.0	13.5	13.8
11	171739069116	11.6	11.6	11.6
12	181839066629	0.0	12.0	4.8
13	181839064789	10.0	14.5	11.8
14	171739075375	14.0	14.0	14.0
15	181839072355	8.0	13.0	10.0
16	181839063232	14.0	14.5	14.2
17	181839067617	0.0	0.0	0.0
18	171739066565	9.6	9.6	9.6
19	181839068446	0.0	0.0	0.0
20	181839071551	10.0	14.5	11.8
21	161639067288	10.0	10.0	10.0
22	171739070795	12.4	12.4	12.4
23	181839064088	18.0	13.5	16.2
24	161639072561	6.0	15.5	9.8
25	181839067603	2.0	14.0	6.8
26	161639069099	10.6	10.6	10.6
27	181839073658	6.0	12.0	8.4
28	181839071974	7.0	15.0	10.2
29	161639082811	0.0	0.0	0.0
30	171739074822	11.6	11.6	11.6
31	181836048869	14.0	15.5	14.6
32	171739071900	14.0	14.0	14.0
33	181839066301	8.0	14.0	10.4
34	19119046664	0.0	13.0	5.2
35	171739067697	10.0	14.0	11.6
36	181839063256	0.0	0.0	0.0
37	171739065181	18.0	18.0	18.0
38	181839073390	0.0	0.0	0.0
39	171739070210	10.8	10.8	10.8
40	161639075395	13.0	13.0	13.0
41	171739076306	11.8	11.8	11.8
42	181839070196	14.0	15.0	14.4
43	181539066928	0.0	0.0	0.0
44	21069056584	0.0	0.0	0.0
45	171739069289	10.2	10.2	10.2
46	21099043162	0.0	13.5	5.4
47	211439056999	4.0	15.5	8.6
48	20129045617	12.8	12.8	12.8
49	211539076261	2.0	0.0	1.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Thermodynamique Appliquée / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	8.0	15.2	10.88
2	181839066555	0.0	0.0	0.0
3	19039051334	6.0	12.1	8.44
4	181839067626	0.0	0.0	0.0
5	181839064874	1.0	0.0	0.6
6	181839069032	8.0	11.2	9.28
7	181839062939	0.0	0.0	0.0
8	181839063233	3.0	10.6	6.04
9	161639053253	0.0	0.0	0.0
10	171739071139	6.0	11.5	8.2
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	6.0	11.5	8.2
14	21119047854	0.0	0.0	0.0
15	181839068453	0.0	0.0	0.0
16	2099924438	0.0	0.0	0.0
17	181839073435	0.0	0.0	0.0
18	171739069590	8.0	14.9	10.76
19	181839067606	2.0	10.0	5.2
20	161639072619	7.0	14.9	10.16
21	21069056594	3.0	11.8	6.52
22	171739072831	9.0	12.7	10.48
23	181839070201	0.0	0.0	0.0
24	171739073516	12.0	14.0	12.8
25	181839073660	4.0	10.6	6.64
26	171739074823	6.0	12.1	8.44
27	181839069464	13.0	13.0	13.0
28	171739064444	0.0	9.0	3.6
29	161639083633	13.9	13.9	13.9
30	161639070123	10.1	10.1	10.1
31	181839066640	5.0	11.2	7.48
32	181839072367	3.0	12.7	6.88
33	181839050744	15.0	15.1	15.04
34	171739067711	0.0	9.4	3.76
35	181839071617	10.0	11.2	10.48
36	181839066324	4.0	10.0	6.4
37	181839065601	7.0	10.9	8.56
38	181839068244	7.0	11.2	8.68
39	181839063259	4.0	11.2	6.88
40	171739065346	10.0	11.8	10.72
41	161639067341	0.0	0.0	0.0
42	171739075960	2.0	8.2	4.48
43	171739070220	10.0	13.6	11.44
44	171739064694	0.0	0.0	0.0
45	181839071167	10.0	8.2	9.28
46	181839067117	6.0	12.7	8.68
47	171739066651	10.6	10.6	10.6
48	171739069165	2.0	11.8	5.92
49	181839072302	1.0	9.4	4.36
50	201539067019	3.0	12.4	6.76
51	19129054134	14.3	14.3	14.3
52	201539076272	2.0	15.5	7.4
53	201439064816	12.0	11.5	11.8
54	21129045350	14.0	14.05	14.02

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Thermodynamique Appliquée / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	5.0	11.5	7.6
2	21069058130	1.0	0.0	0.6
3	171739074827	0.0	0.0	0.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	0.0	0.0
6	181839071646	0.0	0.0	0.0
7	181839066953	2.0	8.2	4.48
8	181839068462	5.0	11.8	7.72
9	171739071456	9.0	12.4	10.36
10	181839062710	5.0	11.2	7.48
11	161639073148	12.0	12.7	12.28
12	18119048382	1.0	12.1	5.44
13	161639070809	0.0	0.0	0.0
14	181839070292	8.0	11.2	9.28
15	181839066556	9.0	12.1	10.24
16	181839072368	10.0	11.8	10.72
17	171739069630	0.0	0.0	0.0
18	181839073662	6.0	12.4	8.56
19	171739065462	4.0	14.6	8.24
20	171739081103	10.0	15.8	12.32
21	171739064583	0.0	0.0	0.0
22	181839063235	0.0	10.6	4.24
23	171739070519	9.0	11.2	9.88
24	171739074239	0.0	0.0	0.0
25	181839069041	8.0	11.8	9.52
26	161739082350	10.0	14.05	11.62
27	171739071180	8.0	8.2	8.08
28	171739068185	0.0	0.0	0.0
29	171739067103	8.0	12.7	9.88
30	181839073623	9.0	10.0	9.4
31	181839069473	4.0	14.6	8.24
32	181839062954	2.0	8.8	4.72
33	181839065214	8.0	11.8	9.52
34	181839065618	0.0	0.0	0.0
35	181839068257	5.0	11.2	7.48
36	181839071168	2.0	8.2	4.48
37	161639076828	4.0	8.2	5.68
38	181839063268	3.0	8.2	5.08
39	181839066353	12.0	14.05	12.82
40	181839067143	3.0	12.4	6.76
41	171739076008	1.0	13.3	5.92
42	181839072339	6.0	13.0	8.8
43	181839064093	4.0	11.8	7.12
44	171739069177	0.0	0.0	0.0
45	171739072841	10.85	10.85	10.85
46	161639065380	13.5	13.5	13.5
47	211539067649	1.0	8.8	4.12
48	211339031941	2.0	11.2	5.68
49	21109042733	3.0	7.0	4.6
50	211539076295	0.0	0.0	0.0

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Thermodynamique Appliquée / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	5.0	11.8	7.72
2	181839068281	9.0	11.2	9.88
3	181839069477	5.0	8.8	6.52
4	181839072372	3.0	11.2	6.28
5	181839072343	12.0	10.0	11.2
6	181839071899	9.0	10.6	9.64
7	161639073197	3.0	11.2	6.28
8	171739076022	5.0	0.0	3.0
9	181839069046	13.0	13.1	13.04
10	181839071169	5.0	8.2	6.28
11	171739082354	0.0	10.0	4.0
12	171739069202	8.0	12.4	9.76
13	181839066965	1.0	9.4	4.36
14	21079081252	0.0	0.0	0.0
15	181839062730	8.0	11.2	9.28
16	181839064483	8.0	11.8	9.52
17	181839062996	4.0	10.9	6.76
18	171739064622	5.0	8.2	6.28
19	161639070870	8.0	14.6	10.64
20	181839070297	8.0	10.6	9.04
21	171739067104	5.0	12.1	7.84
22	171739074830	0.0	0.0	0.0
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	10.0	14.3	11.72
26	181839063238	2.0	7.0	4.0
27	161639065542	1.0	8.2	3.88
28	181839067420	2.0	11.2	5.68
29	171739071468	0.0	0.0	0.0
30	181839068464	5.0	11.5	7.6
31	181839067609	0.0	0.0	0.0
32	181839073663	8.0	0.0	4.8
33	181839073637	7.0	10.0	8.2
34	171739065695	11.0	11.8	11.32
35	181839063269	6.0	7.0	6.4
36	171739051965	3.0	8.8	5.32
37	171739070668	7.0	13.0	9.4
38	171739069670	0.0	0.0	0.0
39	171739071182	7.0	8.8	7.72
40	171739074255	1.0	11.8	5.32
41	181839066358	12.0	10.9	11.56
42	161639067400	7.0	15.5	10.4
43	181839065636	11.0	13.3	11.92
44	181839065397	8.0	12.1	9.64
45	171739072843	10.35	10.35	10.35
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	10.9	4.36
48	161539076321	5.0	11.2	7.48
49	21109042745	4.0	11.8	7.12
50	181539053219	6.0	0.0	3.6

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Thermodynamique Appliquée / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	3.0	14.3	7.52
3	171739072855	10.0	7.0	8.8
4	171739070677	0.0	0.0	0.0
5	171739067203	9.0	11.8	10.12
6	171739075170	2.0	12.4	6.16
7	181839069072	6.0	7.0	6.4
8	181839063208	10.0	6.4	8.56
9	171739064733	0.0	0.0	0.0
10	181839066989	3.0	14.9	7.76
11	161639068495	8.0	14.0	10.4
12	181839068812	8.0	7.0	7.6
13	161739082359	6.0	10.6	7.84
14	181839065646	8.0	7.0	7.6
15	161639074250	4.0	15.2	8.48
16	181839073668	5.0	8.8	6.52
17	181839069716	4.0	8.2	5.68
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	5.0	13.6	8.44
22	21119034252	0.0	0.0	0.0
23	161639077474	9.0	7.0	8.2
24	181839064565	8.0	8.8	8.32
25	181539064784	0.0	0.0	0.0
26	181839073643	9.0	10.0	9.4
27	171739071469	8.0	11.2	9.28
28	161639071502	3.0	0.0	1.8
29	181839067480	16.0	12.4	14.56
30	181839072344	1.0	5.8	2.92
31	181839071949	12.0	10.6	11.44
32	171739068595	1.0	7.0	3.4
33	181839071405	0.0	10.0	4.0
34	171739071186	6.0	10.0	7.6
35	171739076048	6.0	7.0	6.4
36	181839063249	5.0	8.2	6.28
37	161639065774	0.0	0.0	0.0
38	181839062744	10.0	11.2	10.48
39	181839063915	3.0	8.8	5.32
40	181839067972	8.0	9.4	8.56
41	21089051619	0.0	0.0	0.0
42	181839066615	3.0	14.3	7.52
43	171739074354	6.0	11.2	8.08
44	181839070302	9.0	11.2	9.88
45	181839065413	3.0	14.6	7.64
46	171739069277	2.0	0.0	1.2
47	171739066074	11.4	11.4	11.4
48	21129036386	16.0	15.05	15.62
49	201539074100	0.0	0.0	0.0
50	211339049699	0.0	0.0	0.0
51	161539077736	0.0	0.0	0.0

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Thermodynamique Appliquée / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	7.0	10.0	8.2
2	161639078520	0.0	12.1	4.84
3	181839067063	5.0	6.4	5.56
4	181839067976	9.0	10.6	9.64
5	181839071455	12.0	13.0	12.4
6	171739064744	0.0	0.0	0.0
7	181839063250	4.0	9.4	6.16
8	181839069073	9.0	7.6	8.44
9	181839064076	10.0	7.6	9.04
10	181839070604	10.0	7.0	8.8
11	161639065861	0.0	5.2	2.08
12	171739073203	0.0	0.0	0.0
13	181839065425	2.0	7.0	4.0
14	181839071969	8.0	8.8	8.32
15	21089053900	0.0	5.2	2.08
16	21119043493	0.0	0.0	0.0
17	20115049759	0.0	0.0	0.0
18	181839064566	8.0	6.4	7.36
19	171739071710	4.0	10.0	6.4
20	181839069765	0.0	10.0	4.0
21	171739070719	4.0	10.0	6.4
22	181839073291	0.0	0.0	0.0
23	181839068425	2.0	7.0	4.0
24	171739074430	0.0	0.0	0.0
25	181839080060	8.0	14.9	10.76
26	181839072345	3.0	6.4	4.36
27	171739071280	6.0	10.0	7.6
28	171739069281	10.1	10.1	10.1
29	171739075278	14.1	14.1	14.1
30	181839067613	0.0	0.0	0.0
31	171739064211	13.0	14.6	13.64
32	181839073647	8.0	10.0	8.8
33	161639069025	4.0	8.8	5.92
34	171739082385	2.0	0.0	1.2
35	181839065657	0.0	0.0	0.0
36	181839062750	8.0	11.2	9.28
37	181539066186	3.0	14.9	7.76
38	181839068854	2.0	10.9	5.56
39	171739066078	10.0	10.6	10.24
40	171739076231	2.0	0.0	1.2
41	181839066504	10.0	14.0	11.6
42	171739070140	7.0	7.0	7.0
43	161539075147	3.0	7.0	4.6
44	171739067356	3.0	13.6	7.24
45	171739068643	0.0	0.0	0.0
46	181839067523	7.0	5.8	6.52
47	181839063225	10.0	11.2	10.48
48	211339057308	3.0	8.8	5.32
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Thermodynamique Appliquée / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	0.0	9.4	3.76
2	171739069284	6.0	6.4	6.16
3	161639078588	11.0	8.8	10.12
4	171739064766	0.0	0.0	0.0
5	181839064572	7.0	7.0	7.0
6	181839062798	14.0	14.0	14.0
7	181839063252	0.0	0.0	0.0
8	181839066622	9.0	13.0	10.6
9	171739071382	3.0	14.0	7.4
10	171739073336	7.0	7.6	7.24
11	181839071973	4.0	7.0	5.2
12	171739064249	9.0	8.8	8.92
13	181839063231	8.0	11.8	9.52
14	21119045401	17.5	17.0	17.3
15	171739074772	10.0	9.4	9.76
16	181839067569	10.0	10.6	10.24
17	171739070194	7.0	10.9	8.56
18	181839068444	9.0	10.9	9.76
19	161639066586	0.0	0.0	0.0
20	181839064085	7.0	8.2	7.48
21	181839067616	1.0	0.0	0.6
22	161639069055	6.0	10.0	7.6
23	181539075199	12.0	12.4	12.16
24	181839065427	4.0	7.0	5.2
25	171739076304	5.0	10.0	7.0
26	181839069074	5.0	10.6	7.24
27	171739071844	10.0	12.1	10.84
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	6.0	11.2	8.08
31	181839073649	6.0	8.8	7.12
32	171739075355	5.0	11.8	7.72
33	171739067361	11.0	14.9	12.56
34	181839068980	10.0	11.2	10.48
35	161639072471	10.0	10.6	10.24
36	181839071492	0.0	0.0	0.0
37	181839066540	5.0	7.0	5.8
38	181839065661	9.0	5.8	7.72
39	181839067068	6.0	14.9	9.56
40	161639075277	14.1	14.1	14.1
41	171739069038	7.0	10.9	8.56
42	171739066304	10.0	14.9	11.96
43	181839069860	2.0	0.0	1.2
44	18049055164	12.0	15.2	13.28
45	171739070779	6.0	11.2	8.08
46	21099039390	0.0	15.2	6.08
47	181534024010	15.0	15.0	15.0
48	211539079159	10.0	14.6	11.84
49	21129045523	0.0	0.0	0.0
50	211539066888	10.0	8.8	9.52
51	201439055911	9.0	10.9	9.76

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Thermodynamique Appliquée / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	13.0	12.1	12.64
2	181839068982	11.0	11.5	11.2
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	10.0	15.5	12.2
6	181839067113	2.0	10.0	5.2
7	181839066545	0.0	0.0	0.0
8	181839069401	7.0	10.0	8.2
9	161631029915	6.0	10.0	7.6
10	181839062881	8.0	8.8	8.32
11	171739069116	10.35	10.35	10.35
12	181839066629	0.0	7.0	2.8
13	181839064789	9.0	8.8	8.92
14	171739075375	8.0	12.7	9.88
15	181839072355	3.0	6.4	4.36
16	181839063232	13.0	15.2	13.88
17	181839067617	0.0	0.0	0.0
18	171739066565	0.0	0.0	0.0
19	181839068446	0.0	0.0	0.0
20	181839071551	6.0	10.0	7.6
21	161639067288	10.1	10.1	10.1
22	171739070795	6.0	11.2	8.08
23	181839064088	2.0	6.4	3.76
24	161639072561	0.0	10.0	4.0
25	181839067603	2.0	12.7	6.28
26	161639069099	10.9	10.9	10.9
27	181839073658	6.0	5.2	5.68
28	181839071974	5.0	7.0	5.8
29	161639082811	0.0	0.0	0.0
30	171739074822	3.0	7.0	4.6
31	181836048869	9.0	11.5	10.0
32	171739071900	5.0	10.6	7.24
33	181839066301	4.0	14.2	8.08
34	19119046664	2.0	5.2	3.28
35	171739067697	10.0	7.0	8.8
36	181839063256	0.0	0.0	0.0
37	171739065181	0.0	11.8	4.72
38	181839073390	0.0	0.0	0.0
39	171739070210	11.1	11.1	11.1
40	161639075395	0.0	0.0	0.0
41	171739076306	2.0	10.6	5.44
42	181839070196	9.0	8.2	8.68
43	181539066928	0.0	0.0	0.0
44	21069056584	2.0	14.0	6.8
45	171739069289	7.0	8.2	7.48
46	21099043162	0.0	10.0	4.0
47	211439056999	16.0	10.0	13.6
48	20129045617	12.65	12.65	12.65
49	211539076261	2.0	7.0	4.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Génie de La Réaction I / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	0.0	19.0	19.0
2	181839066555	0.0	0.0	0.0
3	19039051334	0.0	17.0	17.0
4	181839067626	0.0	0.0	0.0
5	181839064874	0.0	0.0	0.0
6	181839069032	0.0	12.0	12.0
7	181839062939	0.0	0.0	0.0
8	181839063233	0.0	12.0	12.0
9	161639053253	0.0	0.0	0.0
10	171739071139	0.0	18.0	18.0
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	0.0	17.0	17.0
14	21119047854	0.0	0.0	0.0
15	181839068453	0.0	0.0	0.0
16	2099924438	0.0	13.0	13.0
17	181839073435	0.0	0.0	0.0
18	171739069590	0.0	10.0	10.0
19	181839067606	0.0	10.0	10.0
20	161639072619	0.0	17.0	17.0
21	21069056594	0.0	13.0	13.0
22	171739072831	0.0	17.0	17.0
23	181839070201	0.0	0.0	0.0
24	171739073516	0.0	17.0	17.0
25	181839073660	0.0	12.0	12.0
26	171739074823	0.0	18.0	18.0
27	181839069464	0.0	13.0	13.0
28	171739064444	0.0	19.0	19.0
29	161639083633	0.0	17.0	17.0
30	161639070123	0.0	19.0	19.0
31	181839066640	0.0	15.5	15.5
32	181839072367	0.0	12.0	12.0
33	181839050744	0.0	14.0	14.0
34	171739067711	0.0	13.0	13.0
35	181839071617	0.0	17.0	17.0
36	181839066324	0.0	14.5	14.5
37	181839065601	0.0	14.0	14.0
38	181839068244	0.0	10.0	10.0
39	181839063259	0.0	10.0	10.0
40	171739065346	0.0	10.0	10.0
41	161639067341	0.0	17.0	17.0
42	171739075960	0.0	0.0	0.0
43	171739070220	0.0	17.0	17.0
44	171739064694	0.0	17.0	17.0
45	181839071167	0.0	11.0	11.0
46	181839067117	0.0	10.0	10.0
47	171739066651	0.0	17.0	17.0
48	171739069165	0.0	14.0	14.0
49	181839072302	0.0	15.0	15.0
50	201539067019	0.0	17.0	17.0
51	19129054134	0.0	18.0	18.0
52	201539076272	0.0	19.0	19.0
53	201439064816	0.0	17.0	17.0
54	21129045350	0.0	13.0	13.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Génie de La Réaction I / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	0.0	10.5	10.5
2	21069058130	0.0	12.0	12.0
3	171739074827	0.0	18.0	18.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	17.0	17.0
6	181839071646	0.0	0.0	0.0
7	181839066953	0.0	15.0	15.0
8	181839068462	0.0	14.5	14.5
9	171739071456	0.0	17.0	17.0
10	181839062710	0.0	13.0	13.0
11	161639073148	0.0	19.0	19.0
12	18119048382	0.0	0.0	0.0
13	161639070809	0.0	18.0	18.0
14	181839070292	0.0	13.0	13.0
15	181839066556	0.0	14.5	14.5
16	181839072368	0.0	16.0	16.0
17	171739069630	0.0	0.0	0.0
18	181839073662	0.0	17.0	17.0
19	171739065462	0.0	17.0	17.0
20	171739081103	0.0	18.0	18.0
21	171739064583	0.0	0.0	0.0
22	181839063235	0.0	11.5	11.5
23	171739070519	0.0	19.0	19.0
24	171739074239	0.0	0.0	0.0
25	181839069041	0.0	12.0	12.0
26	161739082350	0.0	15.0	15.0
27	171739071180	0.0	17.0	17.0
28	171739068185	0.0	19.0	19.0
29	171739067103	0.0	17.0	17.0
30	181839073623	0.0	11.5	11.5
31	181839069473	0.0	14.5	14.5
32	181839062954	0.0	11.5	11.5
33	181839065214	0.0	13.0	13.0
34	181839065618	0.0	0.0	0.0
35	181839068257	0.0	12.0	12.0
36	181839071168	0.0	13.0	13.0
37	161639076828	0.0	11.5	11.5
38	181839063268	0.0	14.5	14.5
39	181839066353	0.0	14.5	14.5
40	181839067143	0.0	13.0	13.0
41	171739076008	0.0	18.0	18.0
42	181839072339	0.0	14.5	14.5
43	181839064093	0.0	13.0	13.0
44	171739069177	0.0	16.0	16.0
45	171739072841	0.0	18.0	18.0
46	161639065380	0.0	18.0	18.0
47	211539067649	0.0	13.0	13.0
48	211339031941	0.0	15.5	15.5
49	21109042733	0.0	13.0	13.0
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Génie de La Réaction I / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	0.0	14.5	14.5
2	181839068281	0.0	12.0	12.0
3	181839069477	0.0	11.0	11.0
4	181839072372	0.0	11.5	11.5
5	181839072343	0.0	11.5	11.5
6	181839071899	0.0	14.5	14.5
7	161639073197	0.0	15.0	15.0
8	171739076022	0.0	18.0	18.0
9	181839069046	0.0	12.5	12.5
10	181839071169	0.0	11.0	11.0
11	171739082354	0.0	18.0	18.0
12	171739069202	0.0	17.0	17.0
13	181839066965	0.0	11.5	11.5
14	21079081252	0.0	0.0	0.0
15	181839062730	0.0	12.0	12.0
16	181839064483	0.0	13.0	13.0
17	181839062996	0.0	13.0	13.0
18	171739064622	0.0	13.0	13.0
19	161639070870	0.0	12.0	12.0
20	181839070297	0.0	13.0	13.0
21	171739067104	0.0	17.0	17.0
22	171739074830	0.0	17.0	17.0
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	0.0	17.0	17.0
26	181839063238	0.0	0.0	0.0
27	161639065542	0.0	18.0	18.0
28	181839067420	0.0	10.5	10.5
29	171739071468	0.0	18.0	18.0
30	181839068464	0.0	14.5	14.5
31	181839067609	0.0	0.0	0.0
32	181839073663	0.0	13.0	13.0
33	181839073637	0.0	12.0	12.0
34	171739065695	0.0	18.0	18.0
35	181839063269	0.0	11.5	11.5
36	171739051965	0.0	0.0	0.0
37	171739070668	0.0	15.0	15.0
38	171739069670	0.0	0.0	0.0
39	171739071182	0.0	18.0	18.0
40	171739074255	0.0	11.0	11.0
41	181839066358	0.0	12.0	12.0
42	161639067400	0.0	17.0	17.0
43	181839065636	0.0	12.0	12.0
44	181839065397	0.0	13.0	13.0
45	171739072843	0.0	17.0	17.0
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	0.0	0.0
48	161539076321	0.0	11.5	11.5
49	21109042745	0.0	13.0	13.0
50	181539053219	0.0	18.0	18.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Génie de La Réaction I / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	0.0	11.0	11.0
3	171739072855	0.0	19.0	19.0
4	171739070677	0.0	0.0	0.0
5	171739067203	0.0	10.0	10.0
6	171739075170	0.0	12.0	12.0
7	181839069072	0.0	12.0	12.0
8	181839063208	0.0	11.5	11.5
9	171739064733	0.0	17.0	17.0
10	181839066989	0.0	10.5	10.5
11	161639068495	0.0	18.0	18.0
12	181839068812	0.0	13.0	13.0
13	161739082359	0.0	17.0	17.0
14	181839065646	0.0	12.0	12.0
15	161639074250	0.0	11.0	11.0
16	181839073668	0.0	12.0	12.0
17	181839069716	0.0	12.0	12.0
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	0.0	15.5	15.5
22	21119034252	0.0	0.0	0.0
23	161639077474	0.0	15.0	15.0
24	181839064565	0.0	13.0	13.0
25	181539064784	0.0	17.0	17.0
26	181839073643	0.0	12.0	12.0
27	171739071469	0.0	17.0	17.0
28	161639071502	0.0	11.0	11.0
29	181839067480	0.0	10.5	10.5
30	181839072344	0.0	15.0	15.0
31	181839071949	0.0	14.5	14.5
32	171739068595	0.0	15.0	15.0
33	181839071405	0.0	17.0	17.0
34	171739071186	0.0	13.0	13.0
35	171739076048	0.0	17.0	17.0
36	181839063249	0.0	12.0	12.0
37	161639065774	0.0	16.0	16.0
38	181839062744	0.0	12.0	12.0
39	181839063915	0.0	14.5	14.5
40	181839067972	0.0	10.5	10.5
41	21089051619	0.0	0.0	0.0
42	181839066615	0.0	14.5	14.5
43	171739074354	0.0	19.0	19.0
44	181839070302	0.0	12.0	12.0
45	181839065413	0.0	11.5	11.5
46	171739069277	0.0	15.0	15.0
47	171739066074	0.0	19.0	19.0
48	21129036386	0.0	12.0	12.0
49	201539074100	0.0	19.0	19.0
50	211339049699	0.0	13.0	13.0
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Génie de La Réaction I / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	0.0	18.0	18.0
2	161639078520	0.0	19.0	19.0
3	181839067063	0.0	0.0	0.0
4	181839067976	0.0	10.5	10.5
5	181839071455	0.0	12.0	12.0
6	171739064744	0.0	18.0	18.0
7	181839063250	0.0	14.5	14.5
8	181839069073	0.0	12.0	12.0
9	181839064076	0.0	13.0	13.0
10	181839070604	0.0	12.0	12.0
11	161639065861	0.0	18.0	18.0
12	171739073203	0.0	0.0	0.0
13	181839065425	0.0	14.0	14.0
14	181839071969	0.0	12.0	12.0
15	21089053900	0.0	14.0	14.0
16	21119043493	0.0	0.0	0.0
17	20115049759	0.0	0.0	0.0
18	181839064566	0.0	13.0	13.0
19	171739071710	0.0	17.0	17.0
20	181839069765	0.0	0.0	0.0
21	171739070719	0.0	12.0	12.0
22	181839073291	0.0	0.0	0.0
23	181839068425	0.0	11.5	11.5
24	171739074430	0.0	0.0	0.0
25	181839080060	0.0	13.0	13.0
26	181839072345	0.0	11.5	11.5
27	171739071280	0.0	17.0	17.0
28	171739069281	0.0	15.0	15.0
29	171739075278	0.0	15.0	15.0
30	181839067613	0.0	0.0	0.0
31	171739064211	0.0	18.0	18.0
32	181839073647	0.0	0.0	0.0
33	161639069025	0.0	12.0	12.0
34	171739082385	0.0	17.0	17.0
35	181839065657	0.0	0.0	0.0
36	181839062750	0.0	11.5	11.5
37	181539066186	0.0	19.0	19.0
38	181839068854	0.0	15.0	15.0
39	171739066078	0.0	17.0	17.0
40	171739076231	0.0	0.0	0.0
41	181839066504	0.0	15.5	15.5
42	171739070140	0.0	17.0	17.0
43	161539075147	0.0	0.0	0.0
44	171739067356	0.0	19.0	19.0
45	171739068643	0.0	19.0	19.0
46	181839067523	0.0	10.5	10.5
47	181839063225	0.0	15.5	15.5
48	211339057308	0.0	14.0	14.0
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Génie de La Réaction I / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	0.0	10.5	10.5
2	171739069284	0.0	17.0	17.0
3	161639078588	0.0	19.0	19.0
4	171739064766	0.0	0.0	0.0
5	181839064572	0.0	13.0	13.0
6	181839062798	0.0	14.5	14.5
7	181839063252	0.0	0.0	0.0
8	181839066622	0.0	10.5	10.5
9	171739071382	0.0	17.0	17.0
10	171739073336	0.0	14.5	14.5
11	181839071973	0.0	14.5	14.5
12	171739064249	0.0	10.5	10.5
13	181839063231	0.0	12.0	12.0
14	21119045401	0.0	15.0	15.0
15	171739074772	0.0	17.0	17.0
16	181839067569	0.0	11.5	11.5
17	171739070194	0.0	17.0	17.0
18	181839068444	0.0	12.5	12.5
19	161639066586	0.0	16.0	16.0
20	181839064085	0.0	11.0	11.0
21	181839067616	0.0	11.0	11.0
22	161639069055	0.0	15.0	15.0
23	181539075199	0.0	12.0	12.0
24	181839065427	0.0	14.0	14.0
25	171739076304	0.0	19.0	19.0
26	181839069074	0.0	12.0	12.0
27	171739071844	0.0	18.0	18.0
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	0.0	12.0	12.0
31	181839073649	0.0	12.0	12.0
32	171739075355	0.0	12.0	12.0
33	171739067361	0.0	17.0	17.0
34	181839068980	0.0	13.0	13.0
35	161639072471	0.0	18.0	18.0
36	181839071492	0.0	0.0	0.0
37	181839066540	0.0	12.0	12.0
38	181839065661	0.0	12.0	12.0
39	181839067068	0.0	12.0	12.0
40	161639075277	0.0	18.0	18.0
41	171739069038	0.0	10.5	10.5
42	171739066304	0.0	19.0	19.0
43	181839069860	0.0	0.0	0.0
44	18049055164	0.0	12.5	12.5
45	171739070779	0.0	17.0	17.0
46	21099039390	0.0	12.5	12.5
47	181534024010	0.0	12.0	12.0
48	211539079159	0.0	12.0	12.0
49	21129045523	0.0	0.0	0.0
50	211539066888	0.0	15.0	15.0
51	201439055911	0.0	16.0	16.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Génie de La Réaction I / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	0.0	18.0	18.0
2	181839068982	0.0	14.5	14.5
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	0.0	18.0	18.0
6	181839067113	0.0	15.5	15.5
7	181839066545	0.0	0.0	0.0
8	181839069401	0.0	15.0	15.0
9	161631029915	0.0	15.0	15.0
10	181839062881	0.0	11.5	11.5
11	171739069116	0.0	15.0	15.0
12	181839066629	0.0	12.0	12.0
13	181839064789	0.0	13.0	13.0
14	171739075375	0.0	18.0	18.0
15	181839072355	0.0	12.0	12.0
16	181839063232	0.0	12.0	12.0
17	181839067617	0.0	0.0	0.0
18	171739066565	0.0	17.0	17.0
19	181839068446	0.0	0.0	0.0
20	181839071551	0.0	16.0	16.0
21	161639067288	0.0	17.0	17.0
22	171739070795	0.0	17.0	17.0
23	181839064088	0.0	11.54	11.54
24	161639072561	0.0	15.0	15.0
25	181839067603	0.0	11.0	11.0
26	161639069099	0.0	17.0	17.0
27	181839073658	0.0	12.0	12.0
28	181839071974	0.0	12.0	12.0
29	161639082811	0.0	0.0	0.0
30	171739074822	0.0	18.0	18.0
31	181836048869	0.0	12.0	12.0
32	171739071900	0.0	17.0	17.0
33	181839066301	0.0	10.5	10.5
34	19119046664	0.0	13.0	13.0
35	171739067697	0.0	12.0	12.0
36	181839063256	0.0	0.0	0.0
37	171739065181	0.0	19.0	19.0
38	181839073390	0.0	0.0	0.0
39	171739070210	0.0	17.0	17.0
40	161639075395	0.0	19.0	19.0
41	171739076306	0.0	18.0	18.0
42	181839070196	0.0	12.0	12.0
43	181539066928	0.0	0.0	0.0
44	21069056584	0.0	0.0	0.0
45	171739069289	0.0	18.0	18.0
46	21099043162	0.0	15.0	15.0
47	211439056999	0.0	12.0	12.0
48	20129045617	0.0	17.0	17.0
49	211539076261	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Opérations Unitaires 1 / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	0.0	17.75	17.75
2	181839066555	0.0	0.0	0.0
3	19039051334	0.0	16.5	16.5
4	181839067626	0.0	0.0	0.0
5	181839064874	0.0	0.0	0.0
6	181839069032	0.0	11.75	11.75
7	181839062939	0.0	0.0	0.0
8	181839063233	0.0	12.75	12.75
9	161639053253	0.0	0.0	0.0
10	171739071139	0.0	15.0	15.0
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	0.0	14.75	14.75
14	21119047854	0.0	0.0	0.0
15	181839068453	0.0	0.0	0.0
16	2099924438	0.0	7.5	7.5
17	181839073435	0.0	0.0	0.0
18	171739069590	0.0	11.5	11.5
19	181839067606	0.0	11.5	11.5
20	161639072619	0.0	15.75	15.75
21	21069056594	0.0	11.0	11.0
22	171739072831	0.0	15.75	15.75
23	181839070201	0.0	0.0	0.0
24	171739073516	0.0	15.5	15.5
25	181839073660	0.0	10.5	10.5
26	171739074823	0.0	13.75	13.75
27	181839069464	0.0	9.0	9.0
28	171739064444	0.0	14.75	14.75
29	161639083633	0.0	17.0	17.0
30	161639070123	0.0	15.0	15.0
31	181839066640	0.0	11.5	11.5
32	181839072367	0.0	10.5	10.5
33	181839050744	0.0	14.5	14.5
34	171739067711	0.0	11.0	11.0
35	181839071617	0.0	13.0	13.0
36	181839066324	0.0	12.75	12.75
37	181839065601	0.0	10.5	10.5
38	181839068244	0.0	11.5	11.5
39	181839063259	0.0	11.0	11.0
40	171739065346	0.0	11.5	11.5
41	161639067341	0.0	15.25	15.25
42	171739075960	0.0	11.5	11.5
43	171739070220	0.0	15.5	15.5
44	171739064694	0.0	15.25	15.25
45	181839071167	0.0	11.5	11.5
46	181839067117	0.0	13.75	13.75
47	171739066651	0.0	14.0	14.0
48	171739069165	0.0	10.5	10.5
49	181839072302	0.0	10.0	10.0
50	201539067019	0.0	15.25	15.25
51	19129054134	0.0	14.5	14.5
52	201539076272	0.0	17.75	17.75
53	201439064816	0.0	17.0	17.0
54	21129045350	0.0	9.0	9.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Opérations Unitaires 1 / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	0.0	13.0	13.0
2	21069058130	0.0	0.0	0.0
3	171739074827	0.0	18.0	18.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	14.25	14.25
6	181839071646	0.0	0.0	0.0
7	181839066953	0.0	14.25	14.25
8	181839068462	0.0	13.0	13.0
9	171739071456	0.0	15.0	15.0
10	181839062710	0.0	13.0	13.0
11	161639073148	0.0	16.0	16.0
12	18119048382	0.0	0.0	0.0
13	161639070809	0.0	18.5	18.5
14	181839070292	0.0	12.0	12.0
15	181839066556	0.0	12.0	12.0
16	181839072368	0.0	12.0	12.0
17	171739069630	0.0	0.0	0.0
18	181839073662	0.0	13.5	13.5
19	171739065462	0.0	14.75	14.75
20	171739081103	0.0	15.75	15.75
21	171739064583	0.0	6.0	6.0
22	181839063235	0.0	10.25	10.25
23	171739070519	0.0	16.0	16.0
24	171739074239	0.0	0.0	0.0
25	181839069041	0.0	12.0	12.0
26	161739082350	0.0	15.0	15.0
27	171739071180	0.0	17.0	17.0
28	171739068185	0.0	15.0	15.0
29	171739067103	0.0	15.0	15.0
30	181839073623	0.0	13.0	13.0
31	181839069473	0.0	11.5	11.5
32	181839062954	0.0	10.25	10.25
33	181839065214	0.0	13.0	13.0
34	181839065618	0.0	0.0	0.0
35	181839068257	0.0	13.0	13.0
36	181839071168	0.0	9.0	9.0
37	161639076828	0.0	12.0	12.0
38	181839063268	0.0	10.5	10.5
39	181839066353	0.0	13.0	13.0
40	181839067143	0.0	9.0	9.0
41	171739076008	0.0	16.5	16.5
42	181839072339	0.0	11.5	11.5
43	181839064093	0.0	13.0	13.0
44	171739069177	0.0	0.0	0.0
45	171739072841	0.0	13.75	13.75
46	161639065380	0.0	16.5	16.5
47	211539067649	0.0	13.0	13.0
48	211339031941	0.0	11.25	11.25
49	21109042733	0.0	6.75	6.75
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Opérations Unitaires 1 / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	0.0	13.5	13.5
2	181839068281	0.0	12.0	12.0
3	181839069477	0.0	13.75	13.75
4	181839072372	0.0	13.5	13.5
5	181839072343	0.0	13.5	13.5
6	181839071899	0.0	11.5	11.5
7	161639073197	0.0	11.0	11.0
8	171739076022	0.0	15.5	15.5
9	181839069046	0.0	13.25	13.25
10	181839071169	0.0	13.5	13.5
11	171739082354	0.0	14.75	14.75
12	171739069202	0.0	6.5	6.5
13	181839066965	0.0	13.5	13.5
14	21079081252	0.0	0.0	0.0
15	181839062730	0.0	13.5	13.5
16	181839064483	0.0	11.5	11.5
17	181839062996	0.0	12.5	12.5
18	171739064622	0.0	11.0	11.0
19	161639070870	0.0	12.0	12.0
20	181839070297	0.0	11.5	11.5
21	171739067104	0.0	15.0	15.0
22	171739074830	0.0	17.0	17.0
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	0.0	15.25	15.25
26	181839063238	0.0	12.0	12.0
27	161639065542	0.0	15.25	15.25
28	181839067420	0.0	2.5	2.5
29	171739071468	0.0	15.5	15.5
30	181839068464	0.0	12.0	12.0
31	181839067609	0.0	0.0	0.0
32	181839073663	0.0	10.75	10.75
33	181839073637	0.0	12.0	12.0
34	171739065695	0.0	16.75	16.75
35	181839063269	0.0	12.0	12.0
36	171739051965	0.0	14.5	14.5
37	171739070668	0.0	15.5	15.5
38	171739069670	0.0	0.0	0.0
39	171739071182	0.0	15.75	15.75
40	171739074255	0.0	2.5	2.5
41	181839066358	0.0	14.5	14.5
42	161639067400	0.0	15.25	15.25
43	181839065636	0.0	14.5	14.5
44	181839065397	0.0	13.0	13.0
45	171739072843	0.0	15.75	15.75
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	13.0	13.0
48	161539076321	0.0	13.5	13.5
49	21109042745	0.0	12.75	12.75
50	181539053219	0.0	17.0	17.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Opérations Unitaires 1 / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	0.0	6.5	6.5
3	171739072855	0.0	17.75	17.75
4	171739070677	0.0	0.0	0.0
5	171739067203	0.0	12.0	12.0
6	171739075170	0.0	10.0	10.0
7	181839069072	0.0	13.25	13.25
8	181839063208	0.0	10.75	10.75
9	171739064733	0.0	15.25	15.25
10	181839066989	0.0	9.25	9.25
11	161639068495	0.0	18.5	18.5
12	181839068812	0.0	10.75	10.75
13	161739082359	0.0	15.25	15.25
14	181839065646	0.0	11.0	11.0
15	161639074250	0.0	10.75	10.75
16	181839073668	0.0	12.75	12.75
17	181839069716	0.0	6.0	6.0
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	0.0	11.75	11.75
22	21119034252	0.0	0.0	0.0
23	161639077474	0.0	11.25	11.25
24	181839064565	0.0	10.0	10.0
25	181539064784	0.0	16.0	16.0
26	181839073643	0.0	12.75	12.75
27	171739071469	0.0	15.0	15.0
28	161639071502	0.0	6.5	6.5
29	181839067480	0.0	12.0	12.0
30	181839072344	0.0	11.25	11.25
31	181839071949	0.0	10.75	10.75
32	171739068595	0.0	15.25	15.25
33	181839071405	0.0	12.0	12.0
34	171739071186	0.0	12.0	12.0
35	171739076048	0.0	15.5	15.5
36	181839063249	0.0	12.5	12.5
37	161639065774	0.0	16.0	16.0
38	181839062744	0.0	12.5	12.5
39	181839063915	0.0	12.5	12.5
40	181839067972	0.0	12.0	12.0
41	21089051619	0.0	0.0	0.0
42	181839066615	0.0	12.5	12.5
43	171739074354	0.0	16.0	16.0
44	181839070302	0.0	12.5	12.5
45	181839065413	0.0	12.0	12.0
46	171739069277	0.0	17.0	17.0
47	171739066074	0.0	17.75	17.75
48	21129036386	0.0	12.75	12.75
49	201539074100	0.0	18.5	18.5
50	211339049699	0.0	6.5	6.5
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Opérations Unitaires 1 / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	0.0	18.0	18.0
2	161639078520	0.0	16.0	16.0
3	181839067063	0.0	11.5	11.5
4	181839067976	0.0	10.5	10.5
5	181839071455	0.0	11.25	11.25
6	171739064744	0.0	17.25	17.25
7	181839063250	0.0	11.5	11.5
8	181839069073	0.0	14.0	14.0
9	181839064076	0.0	12.5	12.5
10	181839070604	0.0	12.75	12.75
11	161639065861	0.0	15.5	15.5
12	171739073203	0.0	0.0	0.0
13	181839065425	0.0	11.5	11.5
14	181839071969	0.0	14.0	14.0
15	21089053900	0.0	10.75	10.75
16	21119043493	0.0	0.0	0.0
17	20115049759	0.0	15.5	15.5
18	181839064566	0.0	13.5	13.5
19	171739071710	0.0	15.5	15.5
20	181839069765	0.0	11.0	11.0
21	171739070719	0.0	11.25	11.25
22	181839073291	0.0	0.0	0.0
23	181839068425	0.0	10.5	10.5
24	171739074430	0.0	0.0	0.0
25	181839080060	0.0	13.5	13.5
26	181839072345	0.0	11.5	11.5
27	171739071280	0.0	15.5	15.5
28	171739069281	0.0	15.25	15.25
29	171739075278	0.0	15.25	15.25
30	181839067613	0.0	0.0	0.0
31	171739064211	0.0	16.75	16.75
32	181839073647	0.0	12.5	12.5
33	161639069025	0.0	14.0	14.0
34	171739082385	0.0	15.0	15.0
35	181839065657	0.0	0.0	0.0
36	181839062750	0.0	11.5	11.5
37	181539066186	0.0	17.75	17.75
38	181839068854	0.0	12.75	12.75
39	171739066078	0.0	15.75	15.75
40	171739076231	0.0	0.0	0.0
41	181839066504	0.0	12.0	12.0
42	171739070140	0.0	15.5	15.5
43	161539075147	0.0	0.0	0.0
44	171739067356	0.0	16.0	16.0
45	171739068643	0.0	15.0	15.0
46	181839067523	0.0	10.5	10.5
47	181839063225	0.0	12.0	12.0
48	211339057308	0.0	11.5	11.5
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Opérations Unitaires 1 / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	0.0	10.5	10.5
2	171739069284	0.0	15.5	15.5
3	161639078588	0.0	15.0	15.0
4	171739064766	0.0	0.0	0.0
5	181839064572	0.0	12.5	12.5
6	181839062798	0.0	14.5	14.5
7	181839063252	0.0	0.0	0.0
8	181839066622	0.0	10.0	10.0
9	171739071382	0.0	15.75	15.75
10	171739073336	0.0	14.75	14.75
11	181839071973	0.0	12.5	12.5
12	171739064249	0.0	14.0	14.0
13	181839063231	0.0	12.0	12.0
14	21119045401	0.0	13.25	13.25
15	171739074772	0.0	17.0	17.0
16	181839067569	0.0	12.5	12.5
17	171739070194	0.0	14.75	14.75
18	181839068444	0.0	11.0	11.0
19	161639066586	0.0	14.5	14.5
20	181839064085	0.0	12.5	12.5
21	181839067616	0.0	0.0	0.0
22	161639069055	0.0	12.5	12.5
23	181539075199	0.0	16.5	16.5
24	181839065427	0.0	11.0	11.0
25	171739076304	0.0	16.0	16.0
26	181839069074	0.0	11.25	11.25
27	171739071844	0.0	15.0	15.0
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	0.0	16.5	16.5
31	181839073649	0.0	12.5	12.5
32	171739075355	0.0	11.25	11.25
33	171739067361	0.0	15.75	15.75
34	181839068980	0.0	13.0	13.0
35	161639072471	0.0	16.5	16.5
36	181839071492	0.0	0.0	0.0
37	181839066540	0.0	16.5	16.5
38	181839065661	0.0	12.5	12.5
39	181839067068	0.0	11.25	11.25
40	161639075277	0.0	15.75	15.75
41	171739069038	0.0	14.0	14.0
42	171739066304	0.0	17.75	17.75
43	181839069860	0.0	0.0	0.0
44	18049055164	0.0	11.0	11.0
45	171739070779	0.0	14.75	14.75
46	21099039390	0.0	11.0	11.0
47	181534024010	0.0	13.0	13.0
48	211539079159	0.0	16.5	16.5
49	21129045523	0.0	0.0	0.0
50	211539066888	0.0	12.5	12.5
51	201439055911	0.0	14.5	14.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Opérations Unitaires 1 / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	0.0	15.0	15.0
2	181839068982	0.0	9.0	9.0
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	0.0	18.5	18.5
6	181839067113	0.0	12.0	12.0
7	181839066545	0.0	0.0	0.0
8	181839069401	0.0	11.5	11.5
9	161631029915	0.0	10.0	10.0
10	181839062881	0.0	12.5	12.5
11	171739069116	0.0	17.0	17.0
12	181839066629	0.0	12.0	12.0
13	181839064789	0.0	11.5	11.5
14	171739075375	0.0	16.0	16.0
15	181839072355	0.0	11.5	11.5
16	181839063232	0.0	12.5	12.5
17	181839067617	0.0	0.0	0.0
18	171739066565	0.0	14.0	14.0
19	181839068446	0.0	0.0	0.0
20	181839071551	0.0	16.0	16.0
21	161639067288	0.0	17.0	17.0
22	171739070795	0.0	15.0	15.0
23	181839064088	0.0	13.0	13.0
24	161639072561	0.0	12.0	12.0
25	181839067603	0.0	7.0	7.0
26	161639069099	0.0	15.25	15.25
27	181839073658	0.0	11.5	11.5
28	181839071974	0.0	9.0	9.0
29	161639082811	0.0	0.0	0.0
30	171739074822	0.0	15.0	15.0
31	181836048869	0.0	11.5	11.5
32	171739071900	0.0	15.75	15.75
33	181839066301	0.0	10.0	10.0
34	19119046664	0.0	0.0	0.0
35	171739067697	0.0	16.0	16.0
36	181839063256	0.0	0.0	0.0
37	171739065181	0.0	16.0	16.0
38	181839073390	0.0	0.0	0.0
39	171739070210	0.0	15.5	15.5
40	161639075395	0.0	16.0	16.0
41	171739076306	0.0	16.5	16.5
42	181839070196	0.0	11.0	11.0
43	181539066928	0.0	0.0	0.0
44	21069056584	0.0	9.0	9.0
45	171739069289	0.0	16.0	16.0
46	21099043162	0.0	7.0	7.0
47	211439056999	0.0	11.5	11.5
48	20129045617	0.0	14.5	14.5
49	211539076261	0.0	7.0	7.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Transfert Thermique et Echangeurs de Chaleur / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	0.0	4.0	4.0
2	181839066555	0.0	0.0	0.0
3	19039051334	0.0	3.0	3.0
4	181839067626	0.0	0.0	0.0
5	181839064874	0.0	5.56	5.56
6	181839069032	0.0	10.75	10.75
7	181839062939	0.0	0.0	0.0
8	181839063233	0.0	10.63	10.63
9	161639053253	0.0	0.0	0.0
10	171739071139	0.0	5.0	5.0
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	0.0	10.81	10.81
14	21119047854	0.0	10.0	10.0
15	181839068453	0.0	0.0	0.0
16	2099924438	0.0	10.0	10.0
17	181839073435	0.0	0.0	0.0
18	171739069590	0.0	10.0	10.0
19	181839067606	0.0	10.06	10.06
20	161639072619	0.0	8.0	8.0
21	21069056594	0.0	10.69	10.69
22	171739072831	0.0	8.0	8.0
23	181839070201	0.0	0.0	0.0
24	171739073516	0.0	5.0	5.0
25	181839073660	0.0	10.75	10.75
26	171739074823	0.0	4.0	4.0
27	181839069464	0.0	10.06	10.06
28	171739064444	0.0	0.0	0.0
29	161639083633	0.0	10.88	10.88
30	161639070123	0.0	3.0	3.0
31	181839066640	0.0	10.19	10.19
32	181839072367	0.0	13.31	13.31
33	181839050744	0.0	10.31	10.31
34	171739067711	0.0	10.19	10.19
35	181839071617	0.0	14.13	14.13
36	181839066324	0.0	13.88	13.88
37	181839065601	0.0	11.13	11.13
38	181839068244	0.0	10.06	10.06
39	181839063259	0.0	10.06	10.06
40	171739065346	0.0	10.06	10.06
41	161639067341	0.0	6.0	6.0
42	171739075960	0.0	10.75	10.75
43	171739070220	0.0	2.0	2.0
44	171739064694	0.0	4.0	4.0
45	181839071167	0.0	10.56	10.56
46	181839067117	0.0	11.13	11.13
47	171739066651	0.0	7.0	7.0
48	171739069165	0.0	10.63	10.63
49	181839072302	0.0	10.31	10.31
50	201539067019	0.0	3.0	3.0
51	19129054134	0.0	4.0	4.0
52	201539076272	0.0	3.0	3.0
53	201439064816	0.0	4.0	4.0
54	21129045350	0.0	10.06	10.06

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Transfert Thermique et Echangeurs de Chaleur / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	0.0	10.0	10.0
2	21069058130	0.0	2.5	2.5
3	171739074827	0.0	4.0	4.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	0.0	0.0
6	181839071646	0.0	2.5	2.5
7	181839066953	0.0	5.44	5.44
8	181839068462	0.0	10.63	10.63
9	171739071456	0.0	7.0	7.0
10	181839062710	0.0	10.0	10.0
11	161639073148	0.0	8.5	8.5
12	18119048382	0.0	10.25	10.25
13	161639070809	0.0	3.0	3.0
14	181839070292	0.0	10.13	10.13
15	181839066556	0.0	10.0	10.0
16	181839072368	0.0	10.0	10.0
17	171739069630	0.0	0.0	0.0
18	181839073662	0.0	12.0	12.0
19	171739065462	0.0	6.0	6.0
20	171739081103	0.0	7.0	7.0
21	171739064583	0.0	0.0	0.0
22	181839063235	0.0	10.0	10.0
23	171739070519	0.0	3.0	3.0
24	171739074239	0.0	0.0	0.0
25	181839069041	0.0	10.63	10.63
26	161739082350	0.0	16.63	16.63
27	171739071180	0.0	5.0	5.0
28	171739068185	0.0	5.0	5.0
29	171739067103	0.0	0.0	0.0
30	181839073623	0.0	10.0	10.0
31	181839069473	0.0	12.63	12.63
32	181839062954	0.0	10.0	10.0
33	181839065214	0.0	10.56	10.56
34	181839065618	0.0	0.0	0.0
35	181839068257	0.0	10.44	10.44
36	181839071168	0.0	10.13	10.13
37	161639076828	0.0	10.63	10.63
38	181839063268	0.0	10.94	10.94
39	181839066353	0.0	11.13	11.13
40	181839067143	0.0	10.63	10.63
41	171739076008	0.0	4.0	4.0
42	181839072339	0.0	10.0	10.0
43	181839064093	0.0	10.13	10.13
44	171739069177	0.0	0.0	0.0
45	171739072841	0.0	8.5	8.5
46	161639065380	0.0	4.0	4.0
47	211539067649	0.0	10.0	10.0
48	211339031941	0.0	10.06	10.06
49	21109042733	0.0	10.25	10.25
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Transfert Thermique et Echangeurs de Chaleur / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	0.0	10.0	10.0
2	181839068281	0.0	10.13	10.13
3	181839069477	0.0	10.0	10.0
4	181839072372	0.0	11.0	11.0
5	181839072343	0.0	13.5	13.5
6	181839071899	0.0	12.25	12.25
7	161639073197	0.0	10.06	10.06
8	171739076022	0.0	5.0	5.0
9	181839069046	0.0	10.06	10.06
10	181839071169	0.0	10.25	10.25
11	171739082354	0.0	12.13	12.13
12	171739069202	0.0	11.25	11.25
13	181839066965	0.0	10.0	10.0
14	21079081252	0.0	0.0	0.0
15	181839062730	0.0	11.25	11.25
16	181839064483	0.0	10.06	10.06
17	181839062996	0.0	10.81	10.81
18	171739064622	0.0	11.0	11.0
19	161639070870	0.0	10.19	10.19
20	181839070297	0.0	10.0	10.0
21	171739067104	0.0	0.0	0.0
22	171739074830	0.0	3.0	3.0
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	0.0	6.0	6.0
26	181839063238	0.0	4.0	4.0
27	161639065542	0.0	3.0	3.0
28	181839067420	0.0	10.0	10.0
29	171739071468	0.0	0.0	0.0
30	181839068464	0.0	11.75	11.75
31	181839067609	0.0	0.0	0.0
32	181839073663	0.0	10.0	10.0
33	181839073637	0.0	10.0	10.0
34	171739065695	0.0	5.0	5.0
35	181839063269	0.0	10.13	10.13
36	171739051965	0.0	11.31	11.31
37	171739070668	0.0	3.0	3.0
38	171739069670	0.0	0.0	0.0
39	171739071182	0.0	5.5	5.5
40	171739074255	0.0	10.0	10.0
41	181839066358	0.0	12.5	12.5
42	161639067400	0.0	7.0	7.0
43	181839065636	0.0	11.25	11.25
44	181839065397	0.0	10.06	10.06
45	171739072843	0.0	5.0	5.0
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	10.06	10.06
48	161539076321	0.0	11.5	11.5
49	21109042745	0.0	10.0	10.0
50	181539053219	0.0	8.5	8.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Transfert Thermique et Echangeurs de Chaleur / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	0.0	10.44	10.44
3	171739072855	0.0	6.0	6.0
4	171739070677	0.0	0.0	0.0
5	171739067203	0.0	10.25	10.25
6	171739075170	0.0	11.0	11.0
7	181839069072	0.0	11.0	11.0
8	181839063208	0.0	11.0	11.0
9	171739064733	0.0	14.0	14.0
10	181839066989	0.0	10.06	10.06
11	161639068495	0.0	12.0	12.0
12	181839068812	0.0	10.75	10.75
13	161739082359	0.0	4.0	4.0
14	181839065646	0.0	11.06	11.06
15	161639074250	0.0	10.38	10.38
16	181839073668	0.0	10.0	10.0
17	181839069716	0.0	10.0	10.0
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	2.5	2.5
20	171739070089	0.0	0.0	0.0
21	181839066459	0.0	10.19	10.19
22	21119034252	0.0	10.0	10.0
23	161639077474	0.0	10.0	10.0
24	181839064565	0.0	11.5	11.5
25	181539064784	0.0	0.0	0.0
26	181839073643	0.0	10.19	10.19
27	171739071469	0.0	6.0	6.0
28	161639071502	0.0	10.0	10.0
29	181839067480	0.0	10.0	10.0
30	181839072344	0.0	10.0	10.0
31	181839071949	0.0	10.75	10.75
32	171739068595	0.0	10.0	10.0
33	181839071405	0.0	10.19	10.19
34	171739071186	0.0	10.13	10.13
35	171739076048	0.0	7.0	7.0
36	181839063249	0.0	10.19	10.19
37	161639065774	0.0	4.0	4.0
38	181839062744	0.0	10.19	10.19
39	181839063915	0.0	10.19	10.19
40	181839067972	0.0	10.38	10.38
41	21089051619	0.0	0.0	0.0
42	181839066615	0.0	10.0	10.0
43	171739074354	0.0	3.0	3.0
44	181839070302	0.0	10.44	10.44
45	181839065413	0.0	10.75	10.75
46	171739069277	0.0	5.0	5.0
47	171739066074	0.0	7.0	7.0
48	21129036386	0.0	10.0	10.0
49	201539074100	0.0	6.0	6.0
50	211339049699	0.0	5.56	5.56
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Transfert Thermique et Echangeurs de Chaleur / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	0.0	10.0	10.0
2	161639078520	0.0	3.0	3.0
3	181839067063	0.0	11.06	11.06
4	181839067976	0.0	12.13	12.13
5	181839071455	0.0	10.88	10.88
6	171739064744	0.0	6.0	6.0
7	181839063250	0.0	10.19	10.19
8	181839069073	0.0	11.44	11.44
9	181839064076	0.0	11.5	11.5
10	181839070604	0.0	10.69	10.69
11	161639065861	0.0	2.5	2.5
12	171739073203	0.0	0.0	0.0
13	181839065425	0.0	11.06	11.06
14	181839071969	0.0	10.44	10.44
15	21089053900	0.0	10.06	10.06
16	21119043493	0.0	0.0	0.0
17	20115049759	0.0	0.0	0.0
18	181839064566	0.0	11.0	11.0
19	171739071710	0.0	3.0	3.0
20	181839069765	0.0	10.56	10.56
21	171739070719	0.0	10.88	10.88
22	181839073291	0.0	0.0	0.0
23	181839068425	0.0	12.13	12.13
24	171739074430	0.0	0.0	0.0
25	181839080060	0.0	11.0	11.0
26	181839072345	0.0	10.5	10.5
27	171739071280	0.0	4.0	4.0
28	171739069281	0.0	3.0	3.0
29	171739075278	0.0	5.0	5.0
30	181839067613	0.0	0.0	0.0
31	171739064211	0.0	3.0	3.0
32	181839073647	0.0	10.69	10.69
33	161639069025	0.0	11.19	11.19
34	171739082385	0.0	11.5	11.5
35	181839065657	0.0	0.0	0.0
36	181839062750	0.0	10.0	10.0
37	181539066186	0.0	0.0	0.0
38	181839068854	0.0	10.19	10.19
39	171739066078	0.0	6.0	6.0
40	171739076231	0.0	5.94	5.94
41	181839066504	0.0	10.06	10.06
42	171739070140	0.0	11.63	11.63
43	161539075147	0.0	0.0	0.0
44	171739067356	0.0	3.0	3.0
45	171739068643	0.0	6.0	6.0
46	181839067523	0.0	11.0	11.0
47	181839063225	0.0	10.06	10.06
48	211339057308	0.0	10.88	10.88
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Transfert Thermique et Echangeurs de Chaleur / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	0.0	10.25	10.25
2	171739069284	0.0	8.0	8.0
3	161639078588	0.0	4.0	4.0
4	171739064766	0.0	2.5	2.5
5	181839064572	0.0	11.06	11.06
6	181839062798	0.0	10.19	10.19
7	181839063252	0.0	0.0	0.0
8	181839066622	0.0	10.0	10.0
9	171739071382	0.0	5.69	5.69
10	171739073336	0.0	10.0	10.0
11	181839071973	0.0	10.06	10.06
12	171739064249	0.0	10.0	10.0
13	181839063231	0.0	10.56	10.56
14	21119045401	0.0	4.94	4.94
15	171739074772	0.0	6.0	6.0
16	181839067569	0.0	10.0	10.0
17	171739070194	0.0	4.0	4.0
18	181839068444	0.0	10.38	10.38
19	161639066586	0.0	3.0	3.0
20	181839064085	0.0	10.0	10.0
21	181839067616	0.0	10.0	10.0
22	161639069055	0.0	11.5	11.5
23	181539075199	0.0	11.06	11.06
24	181839065427	0.0	10.0	10.0
25	171739076304	0.0	6.0	6.0
26	181839069074	0.0	10.13	10.13
27	171739071844	0.0	8.5	8.5
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	0.0	10.0	10.0
31	181839073649	0.0	10.0	10.0
32	171739075355	0.0	10.0	10.0
33	171739067361	0.0	8.0	8.0
34	181839068980	0.0	10.19	10.19
35	161639072471	0.0	4.0	4.0
36	181839071492	0.0	0.0	0.0
37	181839066540	0.0	12.0	12.0
38	181839065661	0.0	11.0	11.0
39	181839067068	0.0	10.0	10.0
40	161639075277	0.0	3.0	3.0
41	171739069038	0.0	10.0	10.0
42	171739066304	0.0	0.0	0.0
43	181839069860	0.0	0.0	0.0
44	18049055164	0.0	10.63	10.63
45	171739070779	0.0	4.0	4.0
46	21099039390	0.0	0.0	0.0
47	181534024010	0.0	15.13	15.13
48	211539079159	0.0	11.06	11.06
49	21129045523	0.0	0.0	0.0
50	211539066888	0.0	10.0	10.0
51	201439055911	0.0	4.0	4.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: TP Transfert Thermique et Echangeurs de Chaleur / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	0.0	7.0	7.0
2	181839068982	0.0	10.0	10.0
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	0.0	6.0	6.0
6	181839067113	0.0	10.06	10.06
7	181839066545	0.0	0.0	0.0
8	181839069401	0.0	10.44	10.44
9	161631029915	0.0	10.44	10.44
10	181839062881	0.0	11.25	11.25
11	171739069116	0.0	0.0	0.0
12	181839066629	0.0	10.19	10.19
13	181839064789	0.0	10.0	10.0
14	171739075375	0.0	4.0	4.0
15	181839072355	0.0	10.0	10.0
16	181839063232	0.0	10.75	10.75
17	181839067617	0.0	0.0	0.0
18	171739066565	0.0	2.0	2.0
19	181839068446	0.0	0.0	0.0
20	181839071551	0.0	10.0	10.0
21	161639067288	0.0	6.0	6.0
22	171739070795	0.0	9.0	9.0
23	181839064088	0.0	10.75	10.75
24	161639072561	0.0	10.0	10.0
25	181839067603	0.0	10.0	10.0
26	161639069099	0.0	7.0	7.0
27	181839073658	0.0	10.19	10.19
28	181839071974	0.0	10.0	10.0
29	161639082811	0.0	4.94	4.94
30	171739074822	0.0	8.5	8.5
31	181836048869	0.0	10.0	10.0
32	171739071900	0.0	7.0	7.0
33	181839066301	0.0	10.38	10.38
34	19119046664	0.0	10.81	10.81
35	171739067697	0.0	10.0	10.0
36	181839063256	0.0	0.0	0.0
37	171739065181	0.0	6.0	6.0
38	181839073390	0.0	0.0	0.0
39	171739070210	0.0	3.0	3.0
40	161639075395	0.0	5.0	5.0
41	171739076306	0.0	3.5	3.5
42	181839070196	0.0	10.0	10.0
43	181539066928	0.0	0.0	0.0
44	21069056584	0.0	10.88	10.88
45	171739069289	0.0	7.0	7.0
46	21099043162	0.0	10.0	10.0
47	211439056999	0.0	10.19	10.19
48	20129045617	0.0	5.0	5.0
49	211539076261	0.0	10.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Transfert Thermique et Echangeurs de chaleur / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071445	5.0	6.0	5.4
2	181839066555	0.0	0.0	0.0
3	19039051334	5.0	6.5	5.6
4	181839067626	0.0	0.0	0.0
5	181839064874	0.0	2.5	1.0
6	181839069032	5.0	7.0	5.8
7	181839062939	0.0	0.0	0.0
8	181839063233	2.0	4.0	2.8
9	161639053253	0.0	0.0	0.0
10	171739071139	5.0	3.0	4.2
11	171739081052	0.0	0.0	0.0
12	181839064091	0.0	0.0	0.0
13	161639075865	2.0	5.0	3.2
14	21119047854	0.0	5.0	2.0
15	181839068453	0.0	5.0	2.0
16	2099924438	10.0	10.0	10.0
17	181839073435	0.0	0.0	0.0
18	171739069590	6.0	8.0	6.8
19	181839067606	4.0	1.5	3.0
20	161639072619	8.0	10.0	8.8
21	21069056594	5.0	6.0	5.4
22	171739072831	5.0	6.0	5.4
23	181839070201	0.0	0.0	0.0
24	171739073516	7.0	10.0	8.2
25	181839073660	1.0	9.0	4.2
26	171739074823	5.0	5.0	5.0
27	181839069464	3.0	10.0	5.8
28	171739064444	2.0	6.5	3.8
29	161639083633	2.0	1.5	1.8
30	161639070123	10.0	10.0	10.0
31	181839066640	8.0	0.5	5.0
32	181839072367	5.0	3.5	4.4
33	181839050744	0.0	11.0	4.4
34	171739067711	0.0	3.0	1.2
35	181839071617	8.0	10.0	8.8
36	181839066324	5.0	10.0	7.0
37	181839065601	2.0	6.0	3.6
38	181839068244	5.0	10.0	7.0
39	181839063259	2.0	2.5	2.2
40	171739065346	4.0	6.5	5.0
41	161639067341	0.0	0.0	0.0
42	171739075960	0.0	0.5	0.2
43	171739070220	8.0	13.0	10.0
44	171739064694	0.0	0.0	0.0
45	181839071167	0.0	1.0	0.4
46	181839067117	5.0	6.0	5.4
47	171739066651	0.0	3.5	1.4
48	171739069165	3.0	7.0	4.6
49	181839072302	0.0	6.0	2.4
50	201539067019	6.0	3.5	5.0
51	19129054134	5.0	5.0	5.0
52	201539076272	1.0	0.5	0.8
53	201439064816	13.0	3.0	9.0
54	21129045350	0.0	3.0	1.2

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Le:

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Transfert Thermique et Echangeurs de chaleur / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067933	2.0	1.5	1.8
2	21069058130	1.0	1.5	1.2
3	171739074827	0.0	0.0	0.0
4	181839067608	0.0	0.0	0.0
5	161639067356	0.0	0.0	0.0
6	181839071646	0.0	0.0	0.0
7	181839066953	1.0	1.0	1.0
8	181839068462	4.0	6.0	4.8
9	171739071456	5.0	3.0	4.2
10	181839062710	2.0	5.0	3.2
11	161639073148	8.0	4.0	6.4
12	18119048382	2.0	3.5	2.6
13	161639070809	0.0	0.0	0.0
14	181839070292	5.0	4.0	4.6
15	181839066556	5.0	6.5	5.6
16	181839072368	4.0	8.0	5.6
17	171739069630	0.0	0.0	0.0
18	181839073662	5.0	4.0	4.6
19	171739065462	2.0	1.0	1.6
20	171739081103	2.0	9.5	5.0
21	171739064583	0.0	0.0	0.0
22	181839063235	2.0	3.5	2.6
23	171739070519	3.0	1.5	2.4
24	171739074239	0.0	2.5	1.0
25	181839069041	5.0	8.5	6.4
26	161739082350	12.5	15.0	13.5
27	171739071180	2.0	12.5	6.2
28	171739068185	0.0	0.0	0.0
29	171739067103	3.0	3.0	3.0
30	181839073623	5.0	4.5	4.8
31	181839069473	8.0	13.0	10.0
32	181839062954	2.0	1.5	1.8
33	181839065214	8.0	4.0	6.4
34	181839065618	0.0	0.0	0.0
35	181839068257	2.0	0.5	1.4
36	181839071168	3.0	9.0	5.4
37	161639076828	3.0	6.0	4.2
38	181839063268	4.0	1.0	2.8
39	181839066353	5.0	12.5	8.0
40	181839067143	3.0	3.0	3.0
41	171739076008	3.0	6.0	4.2
42	181839072339	3.0	1.0	2.2
43	181839064093	3.0	5.5	4.0
44	171739069177	0.0	0.0	0.0
45	171739072841	4.0	4.0	4.0
46	161639065380	0.0	0.0	0.0
47	211539067649	5.0	10.0	7.0
48	211339031941	2.0	0.5	1.4
49	21109042733	2.0	10.5	5.4
50	211539076295	0.0	0.0	0.0

Signature de l'enseignant:

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Transfert Thermique et Echangeurs de chaleur / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839066572	4.0	8.5	5.8
2	181839068281	1.0	1.5	1.2
3	181839069477	2.0	0.5	1.4
4	181839072372	3.0	3.5	3.2
5	181839072343	1.0	6.0	3.0
6	181839071899	5.0	8.5	6.4
7	161639073197	3.0	3.5	3.2
8	171739076022	7.0	0.0	4.2
9	181839069046	4.0	8.0	5.6
10	181839071169	2.0	1.0	1.6
11	171739082354	0.0	5.0	2.0
12	171739069202	12.0	13.25	12.5
13	181839066965	1.0	3.0	1.8
14	21079081252	0.0	0.0	0.0
15	181839062730	2.0	11.5	5.8
16	181839064483	5.0	6.5	5.6
17	181839062996	1.0	6.0	3.0
18	171739064622	1.0	6.0	3.0
19	161639070870	12.5	6.25	10.0
20	181839070297	2.0	5.5	3.4
21	171739067104	2.0	3.0	2.4
22	171739074830	0.0	0.0	0.0
23	171739068287	0.0	0.0	0.0
24	181839067960	0.0	0.0	0.0
25	161639077362	7.0	10.0	8.2
26	181839063238	0.0	0.5	0.2
27	161639065542	0.0	1.0	0.4
28	181839067420	1.0	1.0	1.0
29	171739071468	0.0	0.0	0.0
30	181839068464	1.0	0.5	0.8
31	181839067609	0.0	0.0	0.0
32	181839073663	3.0	0.0	1.8
33	181839073637	2.0	9.0	4.8
34	171739065695	3.0	10.0	5.8
35	181839063269	7.0	2.5	5.2
36	171739051965	1.0	3.5	2.0
37	171739070668	3.0	8.0	5.0
38	171739069670	0.0	0.0	0.0
39	171739071182	3.0	10.0	5.8
40	171739074255	0.0	0.5	0.2
41	181839066358	11.0	13.0	11.8
42	161639067400	6.0	10.0	7.6
43	181839065636	8.0	13.0	10.0
44	181839065397	5.0	4.0	4.6
45	171739072843	5.0	4.0	4.6
46	18129031525	0.0	0.0	0.0
47	211339048051	0.0	3.0	1.2
48	161539076321	7.0	8.0	7.4
49	21109042745	2.0	6.5	3.8
50	181539053219	2.0	10.0	5.2

Signature de l'enseignant:

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Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Transfert Thermique et Echangeurs de chaleur / Section A / 4

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839072704	0.0	0.0	0.0
2	181839067612	1.0	2.0	1.4
3	171739072855	4.5	3.5	4.1
4	171739070677	0.0	0.0	0.0
5	171739067203	3.0	8.5	5.2
6	171739075170	1.0	7.5	3.6
7	181839069072	3.0	6.5	4.4
8	181839063208	11.0	5.0	8.6
9	171739064733	0.0	0.0	0.0
10	181839066989	0.0	2.5	1.0
11	161639068495	7.0	8.0	7.4
12	181839068812	5.0	12.5	8.0
13	161739082359	10.0	10.0	10.0
14	181839065646	5.0	5.0	5.0
15	161639074250	1.0	10.0	4.6
16	181839073668	0.0	6.5	2.6
17	181839069716	1.0	2.0	1.4
18	181839068292	0.0	0.0	0.0
19	171739054459	0.0	0.0	0.0
20	171739070089	0.0	0.0	0.0
21	181839066459	2.0	3.5	2.6
22	21119034252	0.0	0.0	0.0
23	161639077474	2.0	5.0	3.2
24	181839064565	2.0	4.0	2.8
25	181539064784	0.0	0.0	0.0
26	181839073643	2.0	9.0	4.8
27	171739071469	2.0	2.0	2.0
28	161639071502	3.0	0.5	2.0
29	181839067480	10.0	13.0	11.2
30	181839072344	1.0	2.5	1.6
31	181839071949	6.0	9.0	7.2
32	171739068595	0.0	0.5	0.2
33	181839071405	2.0	2.0	2.0
34	171739071186	0.0	1.5	0.6
35	171739076048	8.5	10.0	9.1
36	181839063249	4.0	6.5	5.0
37	161639065774	0.0	0.0	0.0
38	181839062744	1.5	12.5	5.9
39	181839063915	0.0	7.0	2.8
40	181839067972	4.0	6.5	5.0
41	21089051619	0.0	0.0	0.0
42	181839066615	1.0	1.5	1.2
43	171739074354	3.0	0.5	2.0
44	181839070302	3.0	2.5	2.8
45	181839065413	3.0	9.0	5.4
46	171739069277	4.0	1.5	3.0
47	171739066074	6.4	6.4	6.4
48	21129036386	6.0	10.0	7.6
49	201539074100	0.0	0.0	0.0
50	211339049699	0.0	0.0	0.0
51	161539077736	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Transfert Thermique et Echangeurs de chaleur / Section A / 5

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639074312	5.0	10.0	7.0
2	161639078520	0.0	10.0	4.0
3	181839067063	12.0	9.0	10.8
4	181839067976	12.0	7.0	10.0
5	181839071455	5.0	3.5	4.4
6	171739064744	0.0	0.0	0.0
7	181839063250	0.0	4.5	1.8
8	181839069073	8.0	13.0	10.0
9	181839064076	4.0	7.5	5.4
10	181839070604	3.0	10.5	6.0
11	161639065861	0.0	0.0	0.0
12	171739073203	0.0	0.0	0.0
13	181839065425	5.0	12.0	7.8
14	181839071969	2.0	11.5	5.8
15	21089053900	0.0	5.5	2.2
16	21119043493	0.0	0.0	0.0
17	20115049759	0.0	0.0	0.0
18	181839064566	3.0	10.0	5.8
19	171739071710	8.0	13.0	10.0
20	181839069765	1.0	0.5	0.8
21	171739070719	2.0	2.5	2.2
22	181839073291	0.0	0.0	0.0
23	181839068425	2.0	9.0	4.8
24	171739074430	0.0	0.0	0.0
25	181839080060	2.0	7.5	4.2
26	181839072345	0.0	0.5	0.2
27	171739071280	6.0	8.5	7.0
28	171739069281	4.0	1.5	3.0
29	171739075278	6.7	6.7	6.7
30	181839067613	0.0	0.0	0.0
31	171739064211	3.0	8.5	5.2
32	181839073647	5.0	8.0	6.2
33	161639069025	1.0	6.75	3.3
34	171739082385	2.0	0.0	1.2
35	181839065657	0.0	0.0	0.0
36	181839062750	4.0	10.0	6.4
37	181539066186	5.0	5.0	5.0
38	181839068854	3.0	6.5	4.4
39	171739066078	6.0	4.5	5.4
40	171739076231	0.0	2.5	1.0
41	181839066504	1.0	1.0	1.0
42	171739070140	2.0	4.0	2.8
43	161539075147	1.0	2.0	1.4
44	171739067356	0.0	5.0	2.0
45	171739068643	0.0	0.0	0.0
46	181839067523	5.0	5.0	5.0
47	181839063225	1.0	1.0	1.0
48	211339057308	5.0	4.0	4.6
49	161539077808	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Transfert Thermique et Echangeurs de chaleur / Section A / 6

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839067978	1.0	3.5	2.0
2	171739069284	4.0	1.0	2.8
3	161639078588	4.0	10.75	6.7
4	171739064766	0.0	0.0	0.0
5	181839064572	4.0	10.0	6.4
6	181839062798	5.0	4.5	4.8
7	181839063252	0.0	0.0	0.0
8	181839066622	5.0	2.5	4.0
9	171739071382	6.0	5.0	5.6
10	171739073336	4.0	7.0	5.2
11	181839071973	3.0	11.0	6.2
12	171739064249	2.0	1.5	1.8
13	181839063231	6.0	11.5	8.2
14	21119045401	1.0	6.0	3.0
15	171739074772	3.0	10.0	5.8
16	181839067569	7.0	9.0	7.8
17	171739070194	3.0	1.5	2.4
18	181839068444	6.0	6.5	6.2
19	161639066586	0.0	0.0	0.0
20	181839064085	0.0	2.0	0.8
21	181839067616	0.0	1.0	0.4
22	161639069055	5.0	11.5	7.6
23	181539075199	2.0	10.0	5.2
24	181839065427	0.0	8.5	3.4
25	171739076304	5.0	1.5	3.6
26	181839069074	2.0	2.5	2.2
27	171739071844	4.0	11.0	6.8
28	181839073312	0.0	0.0	0.0
29	181839072347	0.0	0.0	0.0
30	181839071048	4.0	11.5	7.0
31	181839073649	2.0	9.0	4.8
32	171739075355	3.0	1.5	2.4
33	171739067361	13.0	6.0	10.2
34	181839068980	8.0	13.0	10.0
35	161639072471	4.0	4.0	4.0
36	181839071492	0.0	0.0	0.0
37	181839066540	13.0	12.5	12.8
38	181839065661	6.0	4.5	5.4
39	181839067068	2.0	9.5	5.0
40	161639075277	5.0	10.0	7.0
41	171739069038	5.0	6.5	5.6
42	171739066304	2.0	4.0	2.8
43	181839069860	0.0	0.0	0.0
44	18049055164	5.0	10.0	7.0
45	171739070779	3.0	1.0	2.2
46	21099039390	0.0	0.0	0.0
47	181534024010	1.0	3.0	1.8
48	211539079159	8.0	13.0	10.0
49	21129045523	0.0	0.0	0.0
50	211539066888	1.0	2.5	1.6
51	201439055911	5.0	10.5	7.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie des Procédés
génie chimique

Niveau: Arrêté d'habilitation de

Matière: Transfert Thermique et Echangeurs de chaleur / Section A / 7

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739071394	5.0	11.5	7.6
2	181839068982	3.0	1.5	2.4
3	181839071164	0.0	0.0	0.0
4	181839065428	0.0	0.0	0.0
5	171739064285	2.0	1.5	1.8
6	181839067113	2.0	2.5	2.2
7	181839066545	0.0	0.0	0.0
8	181839069401	2.0	6.5	3.8
9	161631029915	4.0	8.5	5.8
10	181839062881	7.0	7.0	7.0
11	171739069116	2.0	1.0	1.6
12	181839066629	0.0	1.5	0.6
13	181839064789	2.0	7.5	4.2
14	171739075375	2.0	10.0	5.2
15	181839072355	2.0	4.0	2.8
16	181839063232	7.0	9.0	7.8
17	181839067617	0.0	0.0	0.0
18	171739066565	0.0	2.5	1.0
19	181839068446	0.0	0.0	0.0
20	181839071551	6.0	7.5	6.6
21	161639067288	7.0	2.0	5.0
22	171739070795	7.5	0.5	4.7
23	181839064088	2.0	1.5	1.8
24	161639072561	0.0	4.0	1.6
25	181839067603	0.0	1.0	0.4
26	161639069099	5.0	12.0	7.8
27	181839073658	4.0	11.5	7.0
28	181839071974	1.0	6.5	3.2
29	161639082811	0.0	0.0	0.0
30	171739074822	5.0	4.5	4.8
31	181836048869	4.0	15.0	8.4
32	171739071900	0.0	10.0	4.0
33	181839066301	5.0	1.0	3.4
34	19119046664	2.0	5.5	3.4
35	171739067697	6.0	7.0	6.4
36	181839063256	0.0	0.0	0.0
37	171739065181	0.0	4.0	1.6
38	181839073390	0.0	0.0	0.0
39	171739070210	2.0	2.5	2.2
40	161639075395	0.0	0.0	0.0
41	171739076306	3.0	5.5	4.0
42	181839070196	6.0	11.5	8.2
43	181539066928	0.0	0.0	0.0
44	21069056584	1.0	0.0	0.6
45	171739069289	2.0	11.5	5.8
46	21099043162	0.0	1.5	0.6
47	211439056999	4.0	12.5	7.4
48	20129045617	0.0	0.0	0.0
49	211539076261	1.0	2.0	1.4

Signature de l'enseignant:

Le: