

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau:

Matière: Commande avancées / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	10.25	8.6	9.59
2	20119044876	2.5	5.76	3.8
3	161639075756	9.75	6.12	8.3
4	21039040501	7.5	6.84	7.24
5	141431029303	7.5	6.36	7.04
6	161639078144	5.5	6.36	5.84
7	171739071288	2.0	5.52	3.41
8	171739073213	4.5	8.4	6.06
9	2099935420	5.0	6.12	5.45
10	171739068654	4.0	6.12	4.85
11	171739064498	8.75	6.84	7.99
12	171739081697	5.0	6.24	5.5
13	171739065281	9.5	7.12	8.55
14	171739070542	3.0	6.12	4.25
15	171739076218	11.0	6.12	9.05
16	171739069606	5.5	6.12	5.75
17	171739070632	11.5	6.24	9.4
18	21941249012	12.25	16.52	13.96
19	171739073691	15.25	17.04	15.97
20	171739065470	14.0	6.88	11.15
21	171739068254	12.5	6.84	10.24
22	171739069057	10.25	6.84	8.89
23	161639075698	9.5	6.12	8.15
24	171739068443	7.0	6.84	6.94
25	171739068655	10.0	6.12	8.45
26	171739068710	13.5	11.28	12.61
27	171739068638	15.0	8.64	12.46
28	171739064735	12.0	6.72	9.89
29	2199931457	10.5	6.84	9.04
30	161639075790	11.5	6.12	9.35
31	21099050883	0.0	0.0	0.0
32	181539069154	0.0	0.0	0.0
33	171739068648	16.5	12.0	14.7
34	21039051695	10.0	6.84	8.74
35	171739080818	13.0	8.64	11.26
36	171739065623	8.5	6.28	7.61
37	171539070503	2.0	6.36	3.74
38	20109042652	7.0	7.8	7.32
39	161539066951	16.0	11.52	14.21
40	161539070477	7.0	7.0	7.0
41	201539076337	2.0	6.2	3.68

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Commande avancées / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	11.75	8.16	10.31
2	171739064638	13.5	9.96	12.08
3	161639065837	3.0	6.04	4.22
4	171739071291	5.0	6.12	5.45
5	171739072228	8.0	6.12	7.25
6	171739069673	14.0	6.6	11.04
7	161639065468	12.0	6.92	9.97
8	181439062744	3.0	6.36	4.34
9	171739067668	9.75	7.16	8.71
10	171739071142	4.0	6.12	4.85
11	161639054697	5.0	7.12	5.85
12	171739069582	9.5	6.72	8.39
13	171739065445	2.0	6.12	3.65
14	171739064736	3.0	6.04	4.22
15	171739075649	4.0	6.2	4.88
16	171739064620	9.75	6.12	8.3
17	171739065656	5.0	5.84	5.34
18	171739070789	9.0	6.92	8.17
19	21089055691	0.0	0.0	0.0
20	171739066299	2.0	6.12	3.65
21	171739070580	6.0	6.04	6.02
22	161639077339	4.0	6.12	4.85
23	161639068385	1.0	5.52	2.81
24	161739081072	11.5	7.52	9.91
25	171739071374	0.0	6.36	2.54
26	171739073521	9.75	6.12	8.3
27	161639071869	4.0	6.12	4.85
28	2199929692	2.0	6.12	3.65
29	171739068189	11.25	6.12	9.2
30	21039049223	13.5	7.44	11.08
31	21039047798	8.0	7.14	7.66
32	171739071293	5.0	6.12	5.45
33	171739065432	5.75	6.12	5.9
34	171739068369	13.0	6.12	10.25
35	21089055644	0.0	0.0	0.0
36	181539069121	3.0	6.2	4.28
37	171739071290	3.0	7.2	4.68
38	171739068489	15.25	6.36	11.69
39	171739082180	4.0	6.12	4.85
40	171739068391	12.75	6.96	10.43
41	201339049168	3.0	6.36	4.34

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Commande électrique des mécanismes industriels / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	10.0	17.8	13.12
2	20119044876	7.0	14.7	10.08
3	161639075756	6.5	13.2	9.18
4	21039040501	11.0	6.6	9.24
5	141431029303	12.5	6.6	10.14
6	161639078144	5.5	8.6	6.74
7	171739071288	3.0	12.0	6.6
8	171739073213	5.5	5.4	5.46
9	2099935420	7.0	14.4	9.96
10	171739068654	8.0	17.8	11.92
11	171739064498	15.5	14.4	15.06
12	171739081697	5.0	14.0	8.6
13	171739065281	7.5	13.7	9.98
14	171739070542	7.0	6.6	6.84
15	171739076218	9.5	9.6	9.54
16	171739069606	5.5	6.2	5.78
17	171739070632	11.5	12.8	12.02
18	21941249012	18.5	13.8	16.62
19	171739073691	13.0	15.6	14.04
20	171739065470	11.5	6.6	9.54
21	171739068254	9.5	16.4	12.26
22	171739069057	15.5	16.6	15.94
23	161639075698	7.5	13.2	9.78
24	171739068443	7.0	15.2	10.28
25	171739068655	12.0	13.0	12.4
26	171739068710	14.5	18.8	16.22
27	171739068638	13.5	13.2	13.38
28	171739064735	8.5	9.0	8.7
29	2199931457	10.0	15.4	12.16
30	161639075790	9.5	9.6	9.54
31	21099050883	0.0	0.0	0.0
32	181539069154	11.64	11.64	11.64
33	171739068648	15.0	19.0	16.6
34	21039051695	9.5	7.0	8.5
35	171739080818	15.5	13.2	14.58
36	171739065623	7.0	9.6	8.04
37	171539070503	7.0	6.6	6.84
38	20109042652	12.5	18.0	14.7
39	161539066951	0.0	16.8	6.72
40	161539070477	10.0	13.8	11.52
41	201539076337	6.0	6.2	6.08

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Commande électrique des mécanismes industriels / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	13.5	16.7	14.78
2	171739064638	8.0	15.6	11.04
3	161639065837	5.5	6.6	5.94
4	171739071291	9.0	16.4	11.96
5	171739072228	6.0	14.0	9.2
6	171739069673	10.0	16.8	12.72
7	161639065468	17.5	16.8	17.22
8	181439062744	13.0	11.6	12.44
9	171739067668	6.0	16.8	10.32
10	171739071142	6.0	14.9	9.56
11	161639054697	8.0	12.6	9.84
12	171739069582	3.0	18.0	9.0
13	171739065445	2.0	6.6	3.84
14	171739064736	8.0	15.6	11.04
15	171739075649	14.0	15.6	14.64
16	171739064620	6.0	15.1	9.64
17	171739065656	5.0	16.3	9.52
18	171739070789	11.5	15.6	13.14
19	21089055691	0.0	0.0	0.0
20	171739066299	5.5	15.8	9.62
21	171739070580	10.5	16.8	13.02
22	161639077339	12.5	14.8	13.42
23	161639068385	7.5	15.6	10.74
24	161739081072	11.5	15.6	13.14
25	171739071374	0.0	10.4	4.16
26	171739073521	7.5	13.2	9.78
27	161639071869	5.0	7.2	5.88
28	2199929692	11.5	10.0	10.9
29	171739068189	8.5	16.2	11.58
30	21039049223	15.0	13.0	14.2
31	21039047798	15.0	6.4	11.56
32	171739071293	8.0	14.9	10.76
33	171739065432	4.0	10.7	6.68
34	171739068369	11.0	16.8	13.32
35	21089055644	0.0	0.0	0.0
36	181539069121	2.5	7.3	4.42
37	171739071290	5.5	18.5	10.7
38	171739068489	13.0	19.1	15.44
39	171739082180	8.5	6.7	7.78
40	171739068391	9.0	16.0	11.8
41	201339049168	7.5	5.2	6.58

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Commande non linéaire / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	12.0	9.8	11.12
2	20119044876	5.0	7.4	5.96
3	161639075756	6.0	6.8	6.32
4	21039040501	6.0	11.0	8.0
5	141431029303	3.5	6.0	4.5
6	161639078144	4.5	9.0	6.3
7	171739071288	4.0	4.8	4.32
8	171739073213	4.5	8.2	5.98
9	2099935420	13.0	12.0	12.6
10	171739068654	5.0	9.6	6.84
11	171739064498	4.5	11.8	7.42
12	171739081697	6.0	5.6	5.84
13	171739065281	4.5	8.6	6.14
14	171739070542	4.5	9.2	6.38
15	171739076218	4.5	9.4	6.46
16	171739069606	5.0	11.6	7.64
17	171739070632	4.5	11.1	7.14
18	21941249012	15.0	14.6	14.84
19	171739073691	11.5	8.6	10.34
20	171739065470	5.0	11.0	7.4
21	171739068254	6.5	13.4	9.26
22	171739069057	6.5	10.8	8.22
23	161639075698	6.0	5.8	5.92
24	171739068443	4.5	9.2	6.38
25	171739068655	6.5	9.6	7.74
26	171739068710	7.5	10.6	8.74
27	171739068638	6.0	8.2	6.88
28	171739064735	5.0	8.8	6.52
29	2199931457	4.5	6.4	5.26
30	161639075790	6.0	6.4	6.16
31	21099050883	0.0	0.0	0.0
32	181539069154	0.0	0.0	0.0
33	171739068648	13.0	12.0	12.6
34	21039051695	5.0	11.4	7.56
35	171739080818	8.5	9.2	8.78
36	171739065623	5.5	8.9	6.86
37	171539070503	4.0	9.2	6.08
38	20109042652	6.5	12.0	8.7
39	161539066951	11.0	12.2	11.48
40	161539070477	6.0	10.8	7.92
41	201539076337	4.5	6.4	5.26

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Commande non linéaire / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	10.0	12.2	10.88
2	171739064638	8.0	9.8	8.72
3	161639065837	5.5	9.2	6.98
4	171739071291	4.5	7.4	5.66
5	171739072228	7.0	9.2	7.88
6	171739069673	8.0	10.0	8.8
7	161639065468	6.0	9.8	7.52
8	181439062744	5.0	7.4	5.96
9	171739067668	4.5	8.6	6.14
10	171739071142	4.5	8.8	6.22
11	161639054697	9.0	8.4	8.76
12	171739069582	7.0	10.4	8.36
13	171739065445	5.0	9.2	6.68
14	171739064736	5.0	9.0	6.6
15	171739075649	4.5	7.0	5.5
16	171739064620	6.0	9.8	7.52
17	171739065656	0.0	7.0	2.8
18	171739070789	5.5	11.6	7.94
19	21089055691	0.0	3.5	1.4
20	171739066299	4.0	9.8	6.32
21	171739070580	4.5	11.6	7.34
22	161639077339	0.0	8.4	3.36
23	161639068385	5.0	6.0	5.4
24	161739081072	4.5	9.2	6.38
25	171739071374	6.5	8.6	7.34
26	171739073521	5.0	8.8	6.52
27	161639071869	4.0	11.2	6.88
28	2199929692	5.0	9.8	6.92
29	171739068189	6.5	8.0	7.1
30	21039049223	6.0	10.4	7.76
31	21039047798	5.0	9.8	6.92
32	171739071293	4.5	7.6	5.74
33	171739065432	5.0	10.4	7.16
34	171739068369	5.5	7.4	6.26
35	21089055644	0.0	0.0	0.0
36	181539069121	0.0	5.2	2.08
37	171739071290	5.5	9.4	7.06
38	171739068489	11.0	10.4	10.76
39	171739082180	4.5	8.0	5.9
40	171739068391	10.5	10.4	10.46
41	201339049168	4.5	5.6	4.94

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Machines spéciales / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	18.0	0.0	18.0
2	20119044876	14.0	0.0	14.0
3	161639075756	19.0	0.0	19.0
4	21039040501	15.0	0.0	15.0
5	141431029303	10.5	0.0	10.5
6	161639078144	15.0	0.0	15.0
7	171739071288	2.5	0.0	2.5
8	171739073213	6.5	0.0	6.5
9	2099935420	6.0	0.0	6.0
10	171739068654	5.5	0.0	5.5
11	171739064498	11.5	0.0	11.5
12	171739081697	10.0	0.0	10.0
13	171739065281	5.0	0.0	5.0
14	171739070542	8.0	0.0	8.0
15	171739076218	11.0	0.0	11.0
16	171739069606	11.5	0.0	11.5
17	171739070632	3.5	0.0	3.5
18	21941249012	18.0	0.0	18.0
19	171739073691	18.0	0.0	18.0
20	171739065470	8.0	0.0	8.0
21	171739068254	13.0	0.0	13.0
22	171739069057	18.0	0.0	18.0
23	161639075698	17.0	0.0	17.0
24	171739068443	4.0	0.0	4.0
25	171739068655	4.0	0.0	4.0
26	171739068710	17.0	0.0	17.0
27	171739068638	16.5	0.0	16.5
28	171739064735	13.0	0.0	13.0
29	2199931457	9.5	0.0	9.5
30	161639075790	18.0	0.0	18.0
31	21099050883	0.0	0.0	0.0
32	181539069154	5.0	0.0	5.0
33	171739068648	19.0	0.0	19.0
34	21039051695	0.0	0.0	0.0
35	171739080818	18.5	0.0	18.5
36	171739065623	15.0	0.0	15.0
37	171539070503	11.0	0.0	11.0
38	20109042652	18.0	0.0	18.0
39	161539066951	19.0	0.0	19.0
40	161539070477	13.0	0.0	13.0
41	201539076337	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Machines spéciales / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	16.5	0.0	16.5
2	171739064638	16.5	0.0	16.5
3	161639065837	8.0	0.0	8.0
4	171739071291	1.0	0.0	1.0
5	171739072228	1.0	0.0	1.0
6	171739069673	14.5	0.0	14.5
7	161639065468	14.5	0.0	14.5
8	181439062744	11.5	0.0	11.5
9	171739067668	9.5	0.0	9.5
10	171739071142	5.0	0.0	5.0
11	161639054697	4.0	0.0	4.0
12	171739069582	16.5	0.0	16.5
13	171739065445	4.5	0.0	4.5
14	171739064736	9.5	0.0	9.5
15	171739075649	5.5	0.0	5.5
16	171739064620	16.5	0.0	16.5
17	171739065656	3.0	0.0	3.0
18	171739070789	16.5	0.0	16.5
19	21089055691	0.0	0.0	0.0
20	171739066299	2.5	0.0	2.5
21	171739070580	11.0	0.0	11.0
22	161639077339	10.0	0.0	10.0
23	161639068385	13.0	0.0	13.0
24	161739081072	14.5	0.0	14.5
25	171739071374	0.0	0.0	0.0
26	171739073521	12.5	0.0	12.5
27	161639071869	1.5	0.0	1.5
28	2199929692	16.5	0.0	16.5
29	171739068189	10.5	0.0	10.5
30	21039049223	15.5	0.0	15.5
31	21039047798	11.0	0.0	11.0
32	171739071293	5.0	0.0	5.0
33	171739065432	11.5	0.0	11.5
34	171739068369	12.5	0.0	12.5
35	21089055644	0.0	0.0	0.0
36	181539069121	0.0	0.0	0.0
37	171739071290	11.5	0.0	11.5
38	171739068489	15.0	0.0	15.0
39	171739082180	0.0	0.0	0.0
40	171739068391	13.0	0.0	13.0
41	201339049168	2.0	0.0	2.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Maintenance et sureté de fonctionnement / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	11.0	0.0	11.0
2	20119044876	10.0	0.0	10.0
3	161639075756	6.0	0.0	6.0
4	21039040501	14.0	0.0	14.0
5	141431029303	13.0	0.0	13.0
6	161639078144	16.0	0.0	16.0
7	171739071288	2.0	0.0	2.0
8	171739073213	10.0	0.0	10.0
9	2099935420	3.0	0.0	3.0
10	171739068654	10.0	0.0	10.0
11	171739064498	12.0	0.0	12.0
12	171739081697	8.0	0.0	8.0
13	171739065281	14.0	0.0	14.0
14	171739070542	5.0	0.0	5.0
15	171739076218	8.0	0.0	8.0
16	171739069606	10.0	0.0	10.0
17	171739070632	14.0	0.0	14.0
18	21941249012	12.0	0.0	12.0
19	171739073691	13.0	0.0	13.0
20	171739065470	10.0	0.0	10.0
21	171739068254	8.0	0.0	8.0
22	171739069057	14.0	0.0	14.0
23	161639075698	5.0	0.0	5.0
24	171739068443	10.0	0.0	10.0
25	171739068655	10.0	0.0	10.0
26	171739068710	18.0	0.0	18.0
27	171739068638	16.0	0.0	16.0
28	171739064735	12.0	0.0	12.0
29	2199931457	11.0	0.0	11.0
30	161639075790	8.0	0.0	8.0
31	21099050883	0.0	0.0	0.0
32	181539069154	17.0	0.0	17.0
33	171739068648	12.0	0.0	12.0
34	21039051695	14.0	0.0	14.0
35	171739080818	14.0	0.0	14.0
36	171739065623	10.0	0.0	10.0
37	171539070503	13.0	0.0	13.0
38	20109042652	10.0	0.0	10.0
39	161539066951	16.0	0.0	16.0
40	161539070477	10.0	0.0	10.0
41	201539076337	5.0	0.0	5.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Maintenance et sureté de fonctionnement / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	16.0	0.0	16.0
2	171739064638	12.0	0.0	12.0
3	161639065837	8.0	0.0	8.0
4	171739071291	10.0	0.0	10.0
5	171739072228	6.0	0.0	6.0
6	171739069673	12.0	0.0	12.0
7	161639065468	14.0	0.0	14.0
8	181439062744	7.0	0.0	7.0
9	171739067668	10.0	0.0	10.0
10	171739071142	10.0	0.0	10.0
11	161639054697	8.0	0.0	8.0
12	171739069582	10.0	0.0	10.0
13	171739065445	5.0	0.0	5.0
14	171739064736	10.0	0.0	10.0
15	171739075649	10.0	0.0	10.0
16	171739064620	8.0	0.0	8.0
17	171739065656	5.0	0.0	5.0
18	171739070789	14.0	0.0	14.0
19	21089055691	2.0	0.0	2.0
20	171739066299	7.0	0.0	7.0
21	171739070580	10.0	0.0	10.0
22	161639077339	14.0	0.0	14.0
23	161639068385	10.0	0.0	10.0
24	161739081072	10.0	0.0	10.0
25	171739071374	0.0	0.0	0.0
26	171739073521	12.0	0.0	12.0
27	161639071869	8.0	0.0	8.0
28	2199929692	14.0	0.0	14.0
29	171739068189	8.0	0.0	8.0
30	21039049223	13.0	0.0	13.0
31	21039047798	13.0	0.0	13.0
32	171739071293	10.0	0.0	10.0
33	171739065432	12.0	0.0	12.0
34	171739068369	10.0	0.0	10.0
35	21089055644	0.0	0.0	0.0
36	181539069121	0.0	0.0	0.0
37	171739071290	4.0	0.0	4.0
38	171739068489	14.0	0.0	14.0
39	171739082180	7.0	0.0	7.0
40	171739068391	14.0	0.0	14.0
41	201339049168	5.0	0.0	5.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Recherche documentaire et conception de mémoire / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	15.0	0.0	15.0
2	20119044876	17.0	0.0	17.0
3	161639075756	14.5	0.0	14.5
4	21039040501	15.5	0.0	15.5
5	141431029303	14.0	0.0	14.0
6	161639078144	15.5	0.0	15.5
7	171739071288	9.5	0.0	9.5
8	171739073213	15.0	0.0	15.0
9	2099935420	11.0	0.0	11.0
10	171739068654	8.0	0.0	8.0
11	171739064498	14.0	0.0	14.0
12	171739081697	16.0	0.0	16.0
13	171739065281	15.0	0.0	15.0
14	171739070542	12.0	0.0	12.0
15	171739076218	16.0	0.0	16.0
16	171739069606	15.0	0.0	15.0
17	171739070632	15.0	0.0	15.0
18	21941249012	17.0	0.0	17.0
19	171739073691	17.0	0.0	17.0
20	171739065470	16.5	0.0	16.5
21	171739068254	16.0	0.0	16.0
22	171739069057	14.0	0.0	14.0
23	161639075698	14.0	0.0	14.0
24	171739068443	10.0	0.0	10.0
25	171739068655	10.5	0.0	10.5
26	171739068710	14.0	0.0	14.0
27	171739068638	15.0	0.0	15.0
28	171739064735	16.5	0.0	16.5
29	2199931457	17.0	0.0	17.0
30	161639075790	14.0	0.0	14.0
31	21099050883	0.0	0.0	0.0
32	181539069154	12.0	0.0	12.0
33	171739068648	14.0	0.0	14.0
34	21039051695	13.0	0.0	13.0
35	171739080818	18.5	0.0	18.5
36	171739065623	16.0	0.0	16.0
37	171539070503	12.0	0.0	12.0
38	20109042652	16.5	0.0	16.5
39	161539066951	18.0	0.0	18.0
40	161539070477	14.0	0.0	14.0
41	201539076337	14.0	0.0	14.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Recherche documentaire et conception de mémoire / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	17.0	0.0	17.0
2	171739064638	17.5	0.0	17.5
3	161639065837	13.5	0.0	13.5
4	171739071291	11.5	0.0	11.5
5	171739072228	12.0	0.0	12.0
6	171739069673	14.0	0.0	14.0
7	161639065468	16.0	0.0	16.0
8	181439062744	12.0	0.0	12.0
9	171739067668	14.0	0.0	14.0
10	171739071142	11.0	0.0	11.0
11	161639054697	12.5	0.0	12.5
12	171739069582	17.5	0.0	17.5
13	171739065445	17.0	0.0	17.0
14	171739064736	14.0	0.0	14.0
15	171739075649	14.0	0.0	14.0
16	171739064620	14.0	0.0	14.0
17	171739065656	13.0	0.0	13.0
18	171739070789	17.0	0.0	17.0
19	21089055691	13.0	0.0	13.0
20	171739066299	14.0	0.0	14.0
21	171739070580	15.0	0.0	15.0
22	161639077339	15.5	0.0	15.5
23	161639068385	10.0	0.0	10.0
24	161739081072	17.0	0.0	17.0
25	171739071374	0.0	0.0	0.0
26	171739073521	13.0	0.0	13.0
27	161639071869	16.0	0.0	16.0
28	2199929692	16.5	0.0	16.5
29	171739068189	12.0	0.0	12.0
30	21039049223	16.0	0.0	16.0
31	21039047798	18.0	0.0	18.0
32	171739071293	10.0	0.0	10.0
33	171739065432	12.5	0.0	12.5
34	171739068369	11.0	0.0	11.0
35	21089055644	0.0	0.0	0.0
36	181539069121	0.0	0.0	0.0
37	171739071290	15.5	0.0	15.5
38	171739068489	16.0	0.0	16.0
39	171739082180	13.5	0.0	13.5
40	171739068391	14.0	0.0	14.0
41	201339049168	7.0	0.0	7.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Techniques de l'intelligence / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	13.0	10.0	11.8
2	20119044876	1.0	5.0	2.6
3	161639075756	6.0	8.0	6.8
4	21039040501	12.5	9.0	11.1
5	141431029303	2.0	8.41	4.56
6	161639078144	2.0	8.0	4.4
7	171739071288	4.0	8.0	5.6
8	171739073213	4.75	8.0	6.05
9	2099935420	8.0	9.0	8.4
10	171739068654	9.5	12.01	10.5
11	171739064498	9.5	8.0	8.9
12	171739081697	3.0	8.0	5.0
13	171739065281	8.5	8.63	8.55
14	171739070542	6.0	10.25	7.7
15	171739076218	6.25	9.0	7.35
16	171739069606	2.0	11.15	5.66
17	171739070632	3.5	8.0	5.3
18	21941249012	14.25	10.0	12.55
19	171739073691	16.25	10.0	13.75
20	171739065470	10.0	8.0	9.2
21	171739068254	3.0	11.9	6.56
22	171739069057	9.5	12.65	10.76
23	161639075698	1.0	8.0	3.8
24	171739068443	5.5	8.58	6.73
25	171739068655	2.0	12.05	6.02
26	171739068710	11.25	16.55	13.37
27	171739068638	9.25	12.95	10.73
28	171739064735	1.0	8.0	3.8
29	2199931457	9.0	8.0	8.6
30	161639075790	4.5	8.0	5.9
31	21099050883	0.0	0.0	0.0
32	181539069154	0.0	0.0	0.0
33	171739068648	12.0	13.25	12.5
34	21039051695	4.75	10.0	6.85
35	171739080818	13.0	9.0	11.4
36	171739065623	4.0	10.0	6.4
37	171539070503	6.75	10.25	8.15
38	20109042652	5.75	8.0	6.65
39	161539066951	0.0	13.7	5.48
40	161539070477	8.0	10.0	8.8
41	201539076337	3.0	8.0	5.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Techniques de l'intelligence / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	13.25	11.0	12.35
2	171739064638	11.5	10.66	11.16
3	161639065837	1.0	8.0	3.8
4	171739071291	3.0	10.0	5.8
5	171739072228	1.5	8.0	4.1
6	171739069673	15.0	8.0	12.2
7	161639065468	13.0	11.28	12.31
8	181439062744	1.5	10.0	4.9
9	171739067668	5.5	12.05	8.12
10	171739071142	2.5	8.0	4.7
11	161639054697	2.0	9.36	4.94
12	171739069582	5.5	10.55	7.52
13	171739065445	4.25	9.03	6.16
14	171739064736	2.5	8.0	4.7
15	171739075649	1.0	8.0	3.8
16	171739064620	0.5	8.43	3.67
17	171739065656	7.5	8.0	7.7
18	171739070789	11.5	12.35	11.84
19	21089055691	1.0	2.0	1.4
20	171739066299	5.25	8.76	6.65
21	171739070580	7.75	10.0	8.65
22	161639077339	10.5	11.15	10.76
23	161639068385	1.0	4.08	2.23
24	161739081072	8.5	10.38	9.25
25	171739071374	0.0	8.0	3.2
26	171739073521	5.0	8.0	6.2
27	161639071869	10.0	9.0	9.6
28	2199929692	5.5	9.0	6.9
29	171739068189	7.0	10.0	8.2
30	21039049223	11.25	10.0	10.75
31	21039047798	8.5	10.0	9.1
32	171739071293	6.0	8.0	6.8
33	171739065432	2.5	8.0	4.7
34	171739068369	4.75	10.38	7.0
35	21089055644	0.0	0.0	0.0
36	181539069121	1.0	9.0	4.2
37	171739071290	5.5	10.0	7.3
38	171739068489	15.5	10.0	13.3
39	171739082180	5.0	8.0	6.2
40	171739068391	5.0	12.68	8.07
41	201339049168	10.5	8.0	9.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Commande électrique des mécanismes industriels / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	0.0	12.75	12.75
2	20119044876	0.0	13.08	13.08
3	161639075756	0.0	13.75	13.75
4	21039040501	0.0	13.25	13.25
5	141431029303	0.0	13.75	13.75
6	161639078144	0.0	13.75	13.75
7	171739071288	0.0	13.92	13.92
8	171739073213	0.0	14.0	14.0
9	2099935420	0.0	13.75	13.75
10	171739068654	0.0	15.67	15.67
11	171739064498	0.0	13.25	13.25
12	171739081697	0.0	13.67	13.67
13	171739065281	0.0	13.08	13.08
14	171739070542	0.0	13.08	13.08
15	171739076218	0.0	13.92	13.92
16	171739069606	0.0	13.67	13.67
17	171739070632	0.0	13.67	13.67
18	21941249012	0.0	12.5	12.5
19	171739073691	0.0	13.75	13.75
20	171739065470	0.0	13.08	13.08
21	171739068254	0.0	14.0	14.0
22	171739069057	0.0	15.67	15.67
23	161639075698	0.0	13.75	13.75
24	171739068443	0.0	14.0	14.0
25	171739068655	0.0	15.67	15.67
26	171739068710	0.0	14.5	14.5
27	171739068638	0.0	14.0	14.0
28	171739064735	0.0	13.25	13.25
29	2199931457	0.0	14.08	14.08
30	161639075790	0.0	13.75	13.75
31	21099050883	0.0	0.0	0.0
32	181539069154	0.0	13.83	13.83
33	171739068648	0.0	15.67	15.67
34	21039051695	0.0	14.08	14.08
35	171739080818	0.0	13.75	13.75
36	171739065623	0.0	13.08	13.08
37	171539070503	0.0	13.08	13.08
38	20109042652	0.0	14.67	14.67
39	161539066951	0.0	15.75	15.75
40	161539070477	0.0	12.75	12.75
41	201539076337	0.0	13.17	13.17

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Commande électrique des mécanismes industriels / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	0.0	14.67	14.67
2	171739064638	0.0	13.08	13.08
3	161639065837	0.0	14.08	14.08
4	171739071291	0.0	12.42	12.42
5	171739072228	0.0	12.42	12.42
6	171739069673	0.0	14.33	14.33
7	161639065468	0.0	13.33	13.33
8	181439062744	0.0	13.0	13.0
9	171739067668	0.0	13.33	13.33
10	171739071142	0.0	13.58	13.58
11	161639054697	0.0	12.75	12.75
12	171739069582	0.0	13.08	13.08
13	171739065445	0.0	13.08	13.08
14	171739064736	0.0	14.08	14.08
15	171739075649	0.0	13.25	13.25
16	171739064620	0.0	13.83	13.83
17	171739065656	0.0	13.83	13.83
18	171739070789	0.0	13.33	13.33
19	21089055691	0.0	0.0	0.0
20	171739066299	0.0	13.83	13.83
21	171739070580	0.0	14.08	14.08
22	161639077339	0.0	12.92	12.92
23	161639068385	0.0	12.92	12.92
24	161739081072	0.0	13.33	13.33
25	171739071374	0.0	12.42	12.42
26	171739073521	0.0	14.33	14.33
27	161639071869	0.0	14.33	14.33
28	2199929692	0.0	13.92	13.92
29	171739068189	0.0	13.08	13.08
30	21039049223	0.0	13.92	13.92
31	21039047798	0.0	13.92	13.92
32	171739071293	0.0	13.58	13.58
33	171739065432	0.0	13.83	13.83
34	171739068369	0.0	13.08	13.08
35	21089055644	0.0	0.0	0.0
36	181539069121	0.0	13.83	13.83
37	171739071290	0.0	13.33	13.33
38	171739068489	0.0	13.33	13.33
39	171739082180	0.0	13.0	13.0
40	171739068391	0.0	13.33	13.33
41	201339049168	0.0	13.0	13.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Commande non linéaire / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	0.0	12.0	12.0
2	20119044876	0.0	13.0	13.0
3	161639075756	0.0	11.5	11.5
4	21039040501	0.0	10.0	10.0
5	141431029303	0.0	11.0	11.0
6	161639078144	0.0	11.0	11.0
7	171739071288	0.0	10.0	10.0
8	171739073213	0.0	10.0	10.0
9	2099935420	0.0	11.0	11.0
10	171739068654	0.0	11.0	11.0
11	171739064498	0.0	10.0	10.0
12	171739081697	0.0	10.0	10.0
13	171739065281	0.0	10.0	10.0
14	171739070542	0.0	10.0	10.0
15	171739076218	0.0	10.0	10.0
16	171739069606	0.0	10.0	10.0
17	171739070632	0.0	10.0	10.0
18	21941249012	0.0	13.0	13.0
19	171739073691	0.0	11.5	11.5
20	171739065470	0.0	10.0	10.0
21	171739068254	0.0	10.0	10.0
22	171739069057	0.0	11.0	11.0
23	161639075698	0.0	11.5	11.5
24	171739068443	0.0	10.0	10.0
25	171739068655	0.0	11.0	11.0
26	171739068710	0.0	10.5	10.5
27	171739068638	0.0	10.0	10.0
28	171739064735	0.0	10.0	10.0
29	2199931457	0.0	10.0	10.0
30	161639075790	0.0	11.5	11.5
31	21099050883	0.0	0.0	0.0
32	181539069154	0.0	11.73	11.73
33	171739068648	0.0	11.0	11.0
34	21039051695	0.0	10.0	10.0
35	171739080818	0.0	11.5	11.5
36	171739065623	0.0	10.0	10.0
37	171539070503	0.0	10.0	10.0
38	20109042652	0.0	13.0	13.0
39	161539066951	0.0	13.0	13.0
40	161539070477	0.0	10.0	10.0
41	201539076337	0.0	10.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Commande non linéaire / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	0.0	11.0	11.0
2	171739064638	0.0	10.5	10.5
3	161639065837	0.0	10.0	10.0
4	171739071291	0.0	12.5	12.5
5	171739072228	0.0	12.5	12.5
6	171739069673	0.0	10.5	10.5
7	161639065468	0.0	10.0	10.0
8	181439062744	0.0	10.0	10.0
9	171739067668	0.0	10.0	10.0
10	171739071142	0.0	10.5	10.5
11	161639054697	0.0	10.0	10.0
12	171739069582	0.0	10.5	10.5
13	171739065445	0.0	10.5	10.5
14	171739064736	0.0	10.0	10.0
15	171739075649	0.0	10.0	10.0
16	171739064620	0.0	10.0	10.0
17	171739065656	0.0	10.0	10.0
18	171739070789	0.0	10.0	10.0
19	21089055691	0.0	0.0	0.0
20	171739066299	0.0	8.0	8.0
21	171739070580	0.0	10.0	10.0
22	161639077339	0.0	10.0	10.0
23	161639068385	0.0	10.0	10.0
24	161739081072	0.0	10.0	10.0
25	171739071374	0.0	12.5	12.5
26	171739073521	0.0	10.5	10.5
27	161639071869	0.0	10.5	10.5
28	2199929692	0.0	10.5	10.5
29	171739068189	0.0	10.0	10.0
30	21039049223	0.0	10.5	10.5
31	21039047798	0.0	10.5	10.5
32	171739071293	0.0	10.5	10.5
33	171739065432	0.0	8.0	8.0
34	171739068369	0.0	10.0	10.0
35	21089055644	0.0	0.0	0.0
36	181539069121	0.0	10.0	10.0
37	171739071290	0.0	10.5	10.5
38	171739068489	0.0	11.0	11.0
39	171739082180	0.0	10.0	10.0
40	171739068391	0.0	11.0	11.0
41	201339049168	0.0	10.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP commandes avancées / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	0.0	14.0	14.0
2	20119044876	0.0	8.8	8.8
3	161639075756	0.0	7.6	7.6
4	21039040501	0.0	11.2	11.2
5	141431029303	0.0	8.8	8.8
6	161639078144	0.0	8.8	8.8
7	171739071288	0.0	7.6	7.6
8	171739073213	0.0	16.0	16.0
9	2099935420	0.0	7.6	7.6
10	171739068654	0.0	7.6	7.6
11	171739064498	0.0	8.2	8.2
12	171739081697	0.0	8.2	8.2
13	171739065281	0.0	9.6	9.6
14	171739070542	0.0	7.6	7.6
15	171739076218	0.0	7.6	7.6
16	171739069606	0.0	7.6	7.6
17	171739070632	0.0	8.2	8.2
18	21941249012	0.0	17.6	17.6
19	171739073691	0.0	17.2	17.2
20	171739065470	0.0	8.4	8.4
21	171739068254	0.0	8.2	8.2
22	171739069057	0.0	11.2	11.2
23	161639075698	0.0	7.6	7.6
24	171739068443	0.0	11.2	11.2
25	171739068655	0.0	7.6	7.6
26	171739068710	0.0	18.4	18.4
27	171739068638	0.0	17.2	17.2
28	171739064735	0.0	7.6	7.6
29	2199931457	0.0	11.2	11.2
30	161639075790	0.0	7.6	7.6
31	21099050883	0.0	0.0	0.0
32	181539069154	0.0	8.0	8.0
33	171739068648	0.0	16.0	16.0
34	21039051695	0.0	11.2	11.2
35	171739080818	0.0	17.2	17.2
36	171739065623	0.0	8.4	8.4
37	171539070503	0.0	8.8	8.8
38	20109042652	0.0	16.0	16.0
39	161539066951	0.0	19.6	19.6
40	161539070477	0.0	12.0	12.0
41	201539076337	0.0	8.0	8.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP commandes avancées / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	0.0	8.8	8.8
2	171739064638	0.0	8.8	8.8
3	161639065837	0.0	7.2	7.2
4	171739071291	0.0	7.6	7.6
5	171739072228	0.0	7.6	7.6
6	171739069673	0.0	10.0	10.0
7	161639065468	0.0	11.6	11.6
8	181439062744	0.0	8.8	8.8
9	171739067668	0.0	12.8	12.8
10	171739071142	0.0	7.6	7.6
11	161639054697	0.0	9.6	9.6
12	171739069582	0.0	7.6	7.6
13	171739065445	0.0	7.6	7.6
14	171739064736	0.0	7.2	7.2
15	171739075649	0.0	8.0	8.0
16	171739064620	0.0	7.6	7.6
17	171739065656	0.0	9.2	9.2
18	171739070789	0.0	11.6	11.6
19	21089055691	0.0	0.0	0.0
20	171739066299	0.0	7.6	7.6
21	171739070580	0.0	7.2	7.2
22	161639077339	0.0	7.6	7.6
23	161639068385	0.0	7.6	7.6
24	161739081072	0.0	11.6	11.6
25	171739071374	0.0	8.8	8.8
26	171739073521	0.0	7.6	7.6
27	161639071869	0.0	7.6	7.6
28	2199929692	0.0	7.6	7.6
29	171739068189	0.0	7.6	7.6
30	21039049223	0.0	11.2	11.2
31	21039047798	0.0	11.2	11.2
32	171739071293	0.0	7.6	7.6
33	171739065432	0.0	7.6	7.6
34	171739068369	0.0	7.6	7.6
35	21089055644	0.0	0.0	0.0
36	181539069121	0.0	8.0	8.0
37	171739071290	0.0	10.0	10.0
38	171739068489	0.0	8.8	8.8
39	171739082180	0.0	7.6	7.6
40	171739068391	0.0	8.8	8.8
41	201339049168	0.0	8.8	8.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP programmation des API / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	0.0	17.0	17.0
2	20119044876	0.0	16.0	16.0
3	161639075756	0.0	17.0	17.0
4	21039040501	0.0	15.5	15.5
5	141431029303	0.0	16.5	16.5
6	161639078144	0.0	15.0	15.0
7	171739071288	0.0	10.5	10.5
8	171739073213	0.0	14.5	14.5
9	2099935420	0.0	15.0	15.0
10	171739068654	0.0	17.5	17.5
11	171739064498	0.0	16.0	16.0
12	171739081697	0.0	15.5	15.5
13	171739065281	0.0	16.0	16.0
14	171739070542	0.0	15.0	15.0
15	171739076218	0.0	16.0	16.0
16	171739069606	0.0	16.5	16.5
17	171739070632	0.0	16.5	16.5
18	21941249012	0.0	16.0	16.0
19	171739073691	0.0	16.5	16.5
20	171739065470	0.0	16.5	16.5
21	171739068254	0.0	16.0	16.0
22	171739069057	0.0	17.5	17.5
23	161639075698	0.0	17.0	17.0
24	171739068443	0.0	16.0	16.0
25	171739068655	0.0	17.5	17.5
26	171739068710	0.0	17.0	17.0
27	171739068638	0.0	16.5	16.5
28	171739064735	0.0	16.0	16.0
29	2199931457	0.0	15.5	15.5
30	161639075790	0.0	16.5	16.5
31	21099050883	0.0	0.0	0.0
32	181539069154	0.0	16.5	16.5
33	171739068648	0.0	17.5	17.5
34	21039051695	0.0	16.0	16.0
35	171739080818	0.0	16.0	16.0
36	171739065623	0.0	16.5	16.5
37	171539070503	0.0	16.0	16.0
38	20109042652	0.0	17.0	17.0
39	161539066951	0.0	18.5	18.5
40	161539070477	0.0	16.0	16.0
41	201539076337	0.0	15.0	15.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP programmation des API / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	0.0	17.0	17.0
2	171739064638	0.0	16.0	16.0
3	161639065837	0.0	15.0	15.0
4	171739071291	0.0	14.5	14.5
5	171739072228	0.0	15.5	15.5
6	171739069673	0.0	15.0	15.0
7	161639065468	0.0	17.0	17.0
8	181439062744	0.0	16.0	16.0
9	171739067668	0.0	15.5	15.5
10	171739071142	0.0	16.5	16.5
11	161639054697	0.0	15.0	15.0
12	171739069582	0.0	15.5	15.5
13	171739065445	0.0	15.5	15.5
14	171739064736	0.0	15.5	15.5
15	171739075649	0.0	15.0	15.0
16	171739064620	0.0	16.0	16.0
17	171739065656	0.0	15.5	15.5
18	171739070789	0.0	15.5	15.5
19	21089055691	0.0	12.5	12.5
20	171739066299	0.0	15.5	15.5
21	171739070580	0.0	16.5	16.5
22	161639077339	0.0	16.5	16.5
23	161639068385	0.0	10.0	10.0
24	161739081072	0.0	16.0	16.0
25	171739071374	0.0	14.5	14.5
26	171739073521	0.0	15.0	15.0
27	161639071869	0.0	15.5	15.5
28	2199929692	0.0	17.0	17.0
29	171739068189	0.0	15.5	15.5
30	21039049223	0.0	17.0	17.0
31	21039047798	0.0	16.5	16.5
32	171739071293	0.0	16.5	16.5
33	171739065432	0.0	15.0	15.0
34	171739068369	0.0	15.5	15.5
35	21089055644	0.0	10.5	10.5
36	181539069121	0.0	10.5	10.5
37	171739071290	0.0	16.5	16.5
38	171739068489	0.0	17.0	17.0
39	171739082180	0.0	16.5	16.5
40	171739068391	0.0	15.5	15.5
41	201339049168	0.0	15.5	15.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Technique d'intelligence artificielle/TP Implémentation d'une commande

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	2096352360	0.0	12.5	12.5
2	20119044876	0.0	10.44	10.44
3	161639075756	0.0	13.13	13.13
4	21039040501	0.0	11.63	11.63
5	141431029303	0.0	12.13	12.13
6	161639078144	0.0	12.13	12.13
7	171739071288	0.0	12.63	12.63
8	171739073213	0.0	13.13	13.13
9	2099935420	0.0	13.13	13.13
10	171739068654	0.0	12.63	12.63
11	171739064498	0.0	12.25	12.25
12	171739081697	0.0	11.75	11.75
13	171739065281	0.0	12.13	12.13
14	171739070542	0.0	12.13	12.13
15	171739076218	0.0	13.38	13.38
16	171739069606	0.0	12.25	12.25
17	171739070632	0.0	12.75	12.75
18	21941249012	0.0	14.25	14.25
19	171739073691	0.0	13.88	13.88
20	171739065470	0.0	12.38	12.38
21	171739068254	0.0	10.75	10.75
22	171739069057	0.0	14.13	14.13
23	161639075698	0.0	13.13	13.13
24	171739068443	0.0	12.13	12.13
25	171739068655	0.0	13.13	13.13
26	171739068710	0.0	15.75	15.75
27	171739068638	0.0	13.38	13.38
28	171739064735	0.0	11.5	11.5
29	2199931457	0.0	11.88	11.88
30	161639075790	0.0	11.0	11.0
31	21099050883	0.0	0.0	0.0
32	181539069154	0.0	10.0	10.0
33	171739068648	0.0	13.13	13.13
34	21039051695	0.0	11.38	11.38
35	171739080818	0.0	13.63	13.63
36	171739065623	0.0	12.5	12.5
37	171539070503	0.0	12.38	12.38
38	20109042652	0.0	10.63	10.63
39	161539066951	0.0	18.0	18.0
40	161539070477	0.0	13.63	13.63
41	201539076337	0.0	12.63	12.63

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Technique d'intelligence artificielle/TP Implémentation d'une commande

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739064500	0.0	14.63	14.63
2	171739064638	0.0	11.0	11.0
3	161639065837	0.0	11.25	11.25
4	171739071291	0.0	12.0	12.0
5	171739072228	0.0	12.38	12.38
6	171739069673	0.0	14.0	14.0
7	161639065468	0.0	13.0	13.0
8	181439062744	0.0	12.25	12.25
9	171739067668	0.0	13.0	13.0
10	171739071142	0.0	12.38	12.38
11	161639054697	0.0	12.25	12.25
12	171739069582	0.0	10.55	10.55
13	171739065445	0.0	11.5	11.5
14	171739064736	0.0	11.0	11.0
15	171739075649	0.0	10.88	10.88
16	171739064620	0.0	11.0	11.0
17	171739065656	0.0	11.25	11.25
18	171739070789	0.0	12.75	12.75
19	21089055691	0.0	0.0	0.0
20	171739066299	0.0	10.88	10.88
21	171739070580	0.0	12.0	12.0
22	161639077339	0.0	11.75	11.75
23	161639068385	0.0	3.0	3.0
24	161739081072	0.0	12.75	12.75
25	171739071374	0.0	12.13	12.13
26	171739073521	0.0	14.0	14.0
27	161639071869	0.0	14.5	14.5
28	2199929692	0.0	13.0	13.0
29	171739068189	0.0	12.25	12.25
30	21039049223	0.0	13.25	13.25
31	21039047798	0.0	11.0	11.0
32	171739071293	0.0	13.13	13.13
33	171739065432	0.0	10.88	10.88
34	171739068369	0.0	12.0	12.0
35	21089055644	0.0	0.0	0.0
36	181539069121	0.0	8.5	8.5
37	171739071290	0.0	13.13	13.13
38	171739068489	0.0	14.63	14.63
39	171739082180	0.0	12.13	12.13
40	171739068391	0.0	15.5	15.5
41	201339049168	0.0	11.38	11.38

Signature de l'enseignant:

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