



2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Conception fabrication assistée par ordinateur CFAO / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	3.0	0.0	1.8
2	171739066739	13.0	12.0	12.6
3	171739068641	13.0	11.0	12.2
4	161639070220	8.0	13.0	10.0
5	171739074287	15.0	15.0	15.0
6	171739070121	6.0	10.0	7.6
7	161639071432	0.0	10.0	4.0
8	171739071746	9.0	12.5	10.4
9	171739067189	15.0	15.0	15.0
10	20119043473	17.0	14.0	15.8
11	171739067628	9.0	12.5	10.4
12	1900905900	10.0	15.0	12.0
13	171739070643	13.0	11.0	12.2
14	161639068443	10.0	12.5	11.0
15	171739074180	5.0	10.0	7.0
16	171739064259	10.0	12.5	11.0
17	171739075730	5.0	12.5	8.0
18	171739075351	4.0	14.0	8.0
19	171739064507	13.0	15.0	13.8
20	171739070541	11.0	13.5	12.0
21	21069050855	17.0	12.5	15.2
22	171739065668	10.0	13.0	11.2
23	171739073740	6.0	11.0	8.0
24	1995260248	0.0	14.0	5.6
25	21069050420	17.0	12.5	15.2
26	161639071406	6.0	10.0	7.6
27	171739072724	17.0	13.0	15.4
28	171739080901	9.0	13.5	10.8
29	1999934446	13.0	13.5	13.2
30	161639070044	17.0	14.0	15.8
31	171539070845	6.0	0.0	3.6

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Conception fabrication assistée par ordinateur CFAO / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	5.0	13.0	8.2
2	2102942659	0.0	12.0	4.8
3	161639075784	17.0	15.0	16.2
4	171739071790	13.0	11.0	12.2
5	171739065333	8.0	13.0	10.0
6	171739074181	5.0	10.0	7.0
7	161639068669	10.0	13.0	11.2
8	171739065481	12.0	13.5	12.6
9	21049053178	6.0	12.0	8.4
10	171739072728	10.0	11.5	10.6
11	171739074717	15.0	14.0	14.6
12	171739070773	1.0	13.5	6.0
13	171739064348	8.0	13.5	10.2
14	161639071349	9.0	12.5	10.4
15	161639071268	9.0	12.5	10.4
16	171739070544	9.0	13.5	10.8
17	171739069714	9.0	12.5	10.4
18	21049053564	0.0	0.0	0.0
19	161639065610	2.0	10.0	5.2
20	171739065688	2.0	11.0	5.6
21	171739074353	3.0	10.0	5.8
22	171739067073	6.0	12.5	8.6
23	171739069615	9.0	12.5	10.4
24	171739067645	1.0	12.0	5.4
25	171739068695	12.0	13.0	12.4
26	171739064518	6.0	12.0	8.4
27	161639083718	9.0	14.0	11.0
28	171739075731	0.0	0.0	0.0
29	20109044210	1.0	12.0	5.4
30	171539068774	13.0	13.5	13.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Conception fabrication assistée par ordinateur CFAO / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	1.0	11.5	5.2
2	161639072703	10.0	11.0	10.4
3	171739069676	3.0	12.0	6.6
4	171739071252	4.0	10.0	6.4
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	9.0	14.0	11.0
8	171739067094	2.0	12.5	6.2
9	171739064741	8.0	13.0	10.0
10	171739069799	0.0	12.0	4.8
11	171739066536	6.0	12.0	8.4
12	161639065569	8.0	13.5	10.2
13	171739067714	13.0	13.5	13.2
14	171739070685	1.0	11.0	5.0
15	171739067320	9.0	13.0	10.6
16	171739067717	3.0	11.5	6.4
17	161639068958	15.0	15.0	15.0
18	171739066696	9.0	13.0	10.6
19	161639071307	3.0	12.0	6.6
20	171739071866	4.0	12.0	7.2
21	171739067655	10.0	12.0	10.8
22	171739074367	3.0	11.0	6.2
23	171739068717	12.0	11.0	11.6
24	171739064423	13.0	13.0	13.0
25	171739075584	6.0	12.0	8.4
26	171739070151	2.0	10.0	5.2
27	171739074274	10.0	11.0	10.4
28	171739081510	9.0	12.0	10.2
29	161539070131	2.0	12.0	6.0

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Conception fabrication assistée par ordinateur CFAO / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	10.0	12.0	10.8
2	171739082341	11.0	12.0	11.4
3	171739067326	13.0	13.0	13.0
4	171739071886	13.0	11.0	12.2
5	161639067893	9.0	12.0	10.2
6	171739070579	10.0	12.0	10.8
7	161639073090	17.0	12.0	15.0
8	171739070699	2.0	11.0	5.6
9	171739066548	3.0	12.0	6.6
10	171739072674	8.0	13.0	10.0
11	171739068628	11.0	11.0	11.0
12	171739064140	8.0	13.0	10.0
13	171739074378	13.0	11.5	12.4
14	171739068260	10.0	11.0	10.4
15	171739071725	7.0	12.0	9.0
16	171739064429	10.0	10.0	10.0
17	18119032535	0.0	14.0	5.6
18	171739070525	9.0	12.0	10.2
19	171739069685	4.0	12.5	7.4
20	171739065635	8.0	13.0	10.0
21	161639071360	4.0	12.5	7.4
22	171739064258	1.0	13.0	5.8
23	171739065435	8.0	13.5	10.2
24	171739066175	13.0	13.0	13.0
25	171739075660	10.0	13.0	11.2
26	1999926927	0.0	14.0	5.6
27	171739065210	10.0	10.0	10.0
28	171739075328	8.0	13.5	10.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Conception fabrication assistée par ordinateur CFAO / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	6.0	12.0	8.4
2	161639073765	9.0	12.5	10.4
3	181539078340	13.0	12.0	12.6
4	161639076205	8.0	13.0	10.0
5	171739068188	6.0	12.5	8.6
6	171739065468	9.0	12.5	10.4
7	19069056593	9.0	12.0	10.2
8	171739069702	9.0	12.5	10.4
9	161639078252	10.0	12.5	11.0
10	171739065451	13.0	12.5	12.8
11	171739066272	13.0	11.0	12.2
12	181539067903	0.0	0.0	0.0
13	171739067699	5.0	12.5	8.0
14	171739065267	9.0	12.5	10.4
15	171739066274	1.0	12.5	5.6
16	171739067317	7.0	10.5	8.4
17	1902943148	6.0	10.5	7.8
18	171739069257	1.0	12.5	5.6
19	171739073755	2.0	11.0	5.6
20	171739072178	12.0	14.0	12.8
21	2002942796	10.7	10.7	10.7
22	171739074379	8.0	13.0	10.0
23	171739068211	9.0	12.5	10.4
24	171739068522	9.0	13.0	10.6
25	171739071891	2.0	12.0	6.0
26	20099045782	10.0	14.0	11.6
27	161439056491	11.0	12.0	11.4
28	191539071072	8.0	16.0	11.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Conception fabrication assistée par ordinateur CFAO / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	13.0	14.0	13.4
2	171739076239	9.0	13.0	10.6
3	171739075561	2.0	11.0	5.6
4	171739067713	9.0	11.0	9.8
5	171739070555	2.0	11.0	5.6
6	171739068600	14.0	11.0	12.8
7	171739067719	10.0	11.0	10.4
8	171739081471	2.0	10.0	5.2
9	171739074279	13.0	10.0	11.8
10	171739069751	10.0	14.0	11.6
11	171739070648	4.0	11.0	6.8
12	171739065606	8.0	13.5	10.2
13	171739067689	10.0	15.0	12.0
14	161639076455	3.0	10.5	6.0
15	171739067151	10.0	13.0	11.2
16	171739068574	8.0	13.0	10.0
17	171739080666	9.0	14.0	11.0
18	161639076328	5.0	10.5	7.2
19	161639069045	4.0	11.0	6.8
20	161639069068	9.0	12.0	10.2
21	161639068031	13.0	12.0	12.6
22	19039049637	10.0	13.0	11.2
23	171739066063	8.0	13.0	10.0
24	171739073812	6.0	11.0	8.0
25	191339047656	14.0	13.0	13.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines électriques Spéciales / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	12.8	0.0	12.8
2	171739066739	8.0	0.0	8.0
3	171739068641	10.4	0.0	10.4
4	161639070220	8.8	0.0	8.8
5	171739074287	11.2	0.0	11.2
6	171739070121	13.6	0.0	13.6
7	161639071432	7.2	0.0	7.2
8	171739071746	12.0	0.0	12.0
9	171739067189	12.8	0.0	12.8
10	20119043473	11.2	0.0	11.2
11	171739067628	8.8	0.0	8.8
12	1900905900	8.0	0.0	8.0
13	171739070643	12.0	0.0	12.0
14	161639068443	12.8	0.0	12.8
15	171739074180	10.4	0.0	10.4
16	171739064259	9.6	0.0	9.6
17	171739075730	9.6	0.0	9.6
18	171739075351	13.6	0.0	13.6
19	171739064507	4.8	0.0	4.8
20	171739070541	8.8	0.0	8.8
21	21069050855	12.8	0.0	12.8
22	171739065668	12.0	0.0	12.0
23	171739073740	8.0	0.0	8.0
24	1995260248	12.8	0.0	12.8
25	21069050420	11.2	0.0	11.2
26	161639071406	10.4	0.0	10.4
27	171739072724	10.4	0.0	10.4
28	171739080901	10.4	0.0	10.4
29	1999934446	13.6	0.0	13.6
30	161639070044	13.6	0.0	13.6
31	171539070845	11.2	0.0	11.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines électriques Spéciales / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	12.8	0.0	12.8
2	2102942659	11.2	0.0	11.2
3	161639075784	9.6	0.0	9.6
4	171739071790	10.4	0.0	10.4
5	171739065333	8.0	0.0	8.0
6	171739074181	10.4	0.0	10.4
7	161639068669	9.6	0.0	9.6
8	171739065481	9.6	0.0	9.6
9	21049053178	12.8	0.0	12.8
10	171739072728	12.0	0.0	12.0
11	171739074717	13.6	0.0	13.6
12	171739070773	5.6	0.0	5.6
13	171739064348	10.4	0.0	10.4
14	161639071349	13.6	0.0	13.6
15	161639071268	12.0	0.0	12.0
16	171739070544	8.0	0.0	8.0
17	171739069714	9.6	0.0	9.6
18	21049053564	0.0	0.0	0.0
19	161639065610	5.6	0.0	5.6
20	171739065688	12.0	0.0	12.0
21	171739074353	9.6	0.0	9.6
22	171739067073	11.2	0.0	11.2
23	171739069615	10.4	0.0	10.4
24	171739067645	9.6	0.0	9.6
25	171739068695	11.2	0.0	11.2
26	171739064518	10.4	0.0	10.4
27	161639083718	13.6	0.0	13.6
28	171739075731	0.0	0.0	0.0
29	20109044210	6.4	0.0	6.4
30	171539068774	9.6	0.0	9.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines électriques Spéciales / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	9.6	0.0	9.6
2	161639072703	12.0	0.0	12.0
3	171739069676	7.2	0.0	7.2
4	171739071252	9.6	0.0	9.6
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	7.2	0.0	7.2
8	171739067094	5.6	0.0	5.6
9	171739064741	9.6	0.0	9.6
10	171739069799	0.0	0.0	0.0
11	171739066536	8.8	0.0	8.8
12	161639065569	14.4	0.0	14.4
13	171739067714	13.6	0.0	13.6
14	171739070685	0.0	0.0	0.0
15	171739067320	8.0	0.0	8.0
16	171739067717	9.6	0.0	9.6
17	161639068958	12.8	0.0	12.8
18	171739066696	8.8	0.0	8.8
19	161639071307	8.8	0.0	8.8
20	171739071866	8.8	0.0	8.8
21	171739067655	10.4	0.0	10.4
22	171739074367	8.0	0.0	8.0
23	171739068717	11.2	0.0	11.2
24	171739064423	9.6	0.0	9.6
25	171739075584	12.0	0.0	12.0
26	171739070151	8.0	0.0	8.0
27	171739074274	8.8	0.0	8.8
28	171739081510	7.2	0.0	7.2
29	161539070131	12.0	0.0	12.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines électriques Spéciales / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	11.2	0.0	11.2
2	171739082341	10.4	0.0	10.4
3	171739067326	8.8	0.0	8.8
4	171739071886	10.4	0.0	10.4
5	161639067893	8.0	0.0	8.0
6	171739070579	0.0	0.0	0.0
7	161639073090	9.6	0.0	9.6
8	171739070699	7.2	0.0	7.2
9	171739066548	8.0	0.0	8.0
10	171739072674	11.2	0.0	11.2
11	171739068628	9.6	0.0	9.6
12	171739064140	10.4	0.0	10.4
13	171739074378	11.2	0.0	11.2
14	171739068260	12.8	0.0	12.8
15	171739071725	14.4	0.0	14.4
16	171739064429	10.4	0.0	10.4
17	18119032535	0.0	0.0	0.0
18	171739070525	10.4	0.0	10.4
19	171739069685	12.0	0.0	12.0
20	171739065635	6.4	0.0	6.4
21	161639071360	9.6	0.0	9.6
22	171739064258	10.4	0.0	10.4
23	171739065435	8.8	0.0	8.8
24	171739066175	12.0	0.0	12.0
25	171739075660	8.8	0.0	8.8
26	1999926927	0.0	0.0	0.0
27	171739065210	11.2	0.0	11.2
28	171739075328	11.2	0.0	11.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines électriques Spéciales / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	12.0	0.0	12.0
2	161639073765	10.4	0.0	10.4
3	181539078340	8.8	0.0	8.8
4	161639076205	7.2	0.0	7.2
5	171739068188	12.0	0.0	12.0
6	171739065468	9.6	0.0	9.6
7	19069056593	11.2	0.0	11.2
8	171739069702	8.0	0.0	8.0
9	161639078252	11.2	0.0	11.2
10	171739065451	0.0	0.0	0.0
11	171739066272	11.2	0.0	11.2
12	181539067903	0.0	0.0	0.0
13	171739067699	11.2	0.0	11.2
14	171739065267	12.8	0.0	12.8
15	171739066274	5.6	0.0	5.6
16	171739067317	12.8	0.0	12.8
17	1902943148	8.0	0.0	8.0
18	171739069257	12.0	0.0	12.0
19	171739073755	7.2	0.0	7.2
20	171739072178	12.0	0.0	12.0
21	2002942796	10.5	0.0	10.5
22	171739074379	10.4	0.0	10.4
23	171739068211	8.0	0.0	8.0
24	171739068522	11.2	0.0	11.2
25	171739071891	12.8	0.0	12.8
26	20099045782	11.2	0.0	11.2
27	161439056491	9.6	0.0	9.6
28	191539071072	11.2	0.0	11.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines électriques Spéciales / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	10.4	0.0	10.4
2	171739076239	8.0	0.0	8.0
3	171739075561	11.2	0.0	11.2
4	171739067713	8.8	0.0	8.8
5	171739070555	9.6	0.0	9.6
6	171739068600	8.0	0.0	8.0
7	171739067719	10.4	0.0	10.4
8	171739081471	9.6	0.0	9.6
9	171739074279	12.8	0.0	12.8
10	171739069751	8.8	0.0	8.8
11	171739070648	11.2	0.0	11.2
12	171739065606	10.4	0.0	10.4
13	171739067689	8.8	0.0	8.8
14	161639076455	7.2	0.0	7.2
15	171739067151	8.8	0.0	8.8
16	171739068574	8.8	0.0	8.8
17	171739080666	8.8	0.0	8.8
18	161639076328	10.4	0.0	10.4
19	161639069045	10.4	0.0	10.4
20	161639069068	8.8	0.0	8.8
21	161639068031	9.6	0.0	9.6
22	19039049637	16.0	0.0	16.0
23	171739066063	10.4	0.0	10.4
24	171739073812	11.2	0.0	11.2
25	191339047656	8.8	0.0	8.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Microprocesseurs et API / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	5.5	5.0	5.3
2	171739066739	11.0	11.5	11.2
3	171739068641	5.5	10.0	7.3
4	161639070220	11.0	18.75	14.1
5	171739074287	12.0	13.0	12.4
6	171739070121	10.0	13.0	11.2
7	161639071432	7.5	12.5	9.5
8	171739071746	13.5	16.0	14.5
9	171739067189	15.0	17.75	16.1
10	20119043473	9.5	15.5	11.9
11	171739067628	11.0	8.5	10.0
12	1900905900	19.0	15.5	17.6
13	171739070643	12.5	12.5	12.5
14	161639068443	10.0	14.75	11.9
15	171739074180	5.5	5.0	5.3
16	171739064259	4.0	11.5	7.0
17	171739075730	19.0	16.0	17.8
18	171739075351	9.0	13.25	10.7
19	171739064507	13.0	16.5	14.4
20	171739070541	5.0	10.0	7.0
21	21069050855	5.5	5.0	5.3
22	171739065668	12.0	16.75	13.9
23	171739073740	9.5	13.0	10.9
24	1995260248	5.0	8.0	6.2
25	21069050420	10.0	5.0	8.0
26	161639071406	8.5	9.5	8.9
27	171739072724	15.0	13.0	14.2
28	171739080901	5.5	12.5	8.3
29	1999934446	12.0	12.0	12.0
30	161639070044	12.0	12.5	12.2
31	171539070845	7.5	13.0	9.7

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Microprocesseurs et API / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	9.5	17.25	12.6
2	2102942659	3.0	5.0	3.8
3	161639075784	13.0	12.0	12.6
4	171739071790	11.5	16.75	13.6
5	171739065333	12.5	15.0	13.5
6	171739074181	12.0	13.5	12.6
7	161639068669	10.0	12.0	10.8
8	171739065481	13.5	13.5	13.5
9	21049053178	2.5	5.0	3.5
10	171739072728	8.5	12.5	10.1
11	171739074717	12.0	16.75	13.9
12	171739070773	10.5	11.5	10.9
13	171739064348	5.0	12.0	7.8
14	161639071349	12.0	10.0	11.2
15	161639071268	7.5	15.0	10.5
16	171739070544	13.0	13.0	13.0
17	171739069714	11.0	13.0	11.8
18	21049053564	0.0	0.0	0.0
19	161639065610	12.0	14.5	13.0
20	171739065688	11.5	15.25	13.0
21	171739074353	18.5	16.25	17.6
22	171739067073	11.0	14.75	12.5
23	171739069615	8.5	14.0	10.7
24	171739067645	15.5	17.75	16.4
25	171739068695	10.5	14.5	12.1
26	171739064518	11.5	11.0	11.3
27	161639083718	12.0	12.0	12.0
28	171739075731	0.0	0.0	0.0
29	20109044210	9.0	8.0	8.6
30	171539068774	14.0	15.25	14.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Microprocesseurs et API / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	10.0	12.0	10.8
2	161639072703	12.0	14.5	13.0
3	171739069676	11.5	13.0	12.1
4	171739071252	10.0	8.5	9.4
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	10.0	17.0	12.8
8	171739067094	10.5	13.0	11.5
9	171739064741	15.0	11.5	13.6
10	171739069799	0.0	8.5	3.4
11	171739066536	12.5	11.0	11.9
12	161639065569	9.5	10.5	9.9
13	171739067714	9.0	14.75	11.3
14	171739070685	0.0	7.0	2.8
15	171739067320	12.0	14.75	13.1
16	171739067717	12.5	14.5	13.3
17	161639068958	17.0	17.25	17.1
18	171739066696	13.0	14.5	13.6
19	161639071307	7.0	11.5	8.8
20	171739071866	15.0	14.0	14.6
21	171739067655	17.0	17.25	17.1
22	171739074367	17.0	15.0	16.2
23	171739068717	4.0	13.0	7.6
24	171739064423	13.0	15.75	14.1
25	171739075584	14.0	12.0	13.2
26	171739070151	6.5	12.5	8.9
27	171739074274	10.0	13.5	11.4
28	171739081510	10.0	11.0	10.4
29	161539070131	14.0	13.0	13.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Microprocesseurs et API / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	14.5	10.5	12.9
2	171739082341	6.0	14.25	9.3
3	171739067326	19.0	16.0	17.8
4	171739071886	14.5	15.25	14.8
5	161639067893	8.0	13.0	10.0
6	171739070579	4.5	7.5	5.7
7	161639073090	9.0	13.0	10.6
8	171739070699	12.5	12.0	12.3
9	171739066548	13.0	10.0	11.8
10	171739072674	14.0	13.0	13.6
11	171739068628	11.5	13.0	12.1
12	171739064140	14.0	16.0	14.8
13	171739074378	19.5	13.5	17.1
14	171739068260	10.5	10.0	10.3
15	171739071725	9.0	11.5	10.0
16	171739064429	15.0	12.5	14.0
17	18119032535	0.0	13.5	5.4
18	171739070525	8.5	10.5	9.3
19	171739069685	11.5	14.0	12.5
20	171739065635	15.0	12.5	14.0
21	161639071360	8.0	12.5	9.8
22	171739064258	12.0	14.0	12.8
23	171739065435	13.0	11.5	12.4
24	171739066175	15.0	16.0	15.4
25	171739075660	13.5	12.5	13.1
26	1999926927	0.0	8.0	3.2
27	171739065210	10.0	12.0	10.8
28	171739075328	4.0	10.0	6.4

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Microprocesseurs et API / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	10.0	8.5	9.4
2	161639073765	9.0	12.0	10.2
3	181539078340	9.0	10.0	9.4
4	161639076205	5.5	13.0	8.5
5	171739068188	12.5	14.5	13.3
6	171739065468	7.5	13.0	9.7
7	19069056593	5.5	11.0	7.7
8	171739069702	12.5	15.75	13.8
9	161639078252	11.0	12.0	11.4
10	171739065451	9.0	12.5	10.4
11	171739066272	5.0	7.5	6.0
12	181539067903	0.0	0.0	0.0
13	171739067699	5.5	11.5	7.9
14	171739065267	5.5	11.0	7.7
15	171739066274	8.0	9.0	8.4
16	171739067317	9.0	11.0	9.8
17	1902943148	14.5	15.25	14.8
18	171739069257	6.5	11.0	8.3
19	171739073755	9.0	15.5	11.6
20	171739072178	14.5	16.0	15.1
21	2002942796	6.8	6.8	6.8
22	171739074379	10.5	13.25	11.6
23	171739068211	9.5	10.0	9.7
24	171739068522	9.5	11.0	10.1
25	171739071891	9.5	11.5	10.3
26	20099045782	8.0	13.5	10.2
27	161439056491	9.5	12.5	10.7
28	191539071072	10.5	5.0	8.3

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Microprocesseurs et API / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	7.5	15.75	10.8
2	171739076239	5.0	10.0	7.0
3	171739075561	12.0	11.0	11.6
4	171739067713	12.5	12.5	12.5
5	171739070555	10.0	11.5	10.6
6	171739068600	11.0	7.5	9.6
7	171739067719	5.0	9.0	6.6
8	171739081471	7.5	12.5	9.5
9	171739074279	12.0	11.0	11.6
10	171739069751	9.5	13.0	10.9
11	171739070648	12.0	12.5	12.2
12	171739065606	9.0	9.5	9.2
13	171739067689	13.5	16.5	14.7
14	161639076455	7.5	10.5	8.7
15	171739067151	5.0	12.0	7.8
16	171739068574	16.5	9.5	13.7
17	171739080666	10.0	11.0	10.4
18	161639076328	7.0	10.0	8.2
19	161639069045	10.5	10.0	10.3
20	161639069068	14.0	15.0	14.4
21	161639068031	12.5	9.5	11.3
22	19039049637	6.0	10.5	7.8
23	171739066063	5.5	10.0	7.3
24	171739073812	11.0	15.5	12.8
25	191339047656	15.5	5.5	11.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et simulation des systèmes électromécaniques / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	9.5	12.25	10.6
2	171739066739	1.5	11.38	5.45
3	171739068641	4.0	9.75	6.3
4	161639070220	11.0	13.5	12.0
5	171739074287	12.0	15.0	13.2
6	171739070121	7.0	11.0	8.6
7	161639071432	12.0	10.0	11.2
8	171739071746	10.0	12.0	10.8
9	171739067189	13.0	14.0	13.4
10	20119043473	12.0	12.88	12.35
11	171739067628	13.0	11.0	12.2
12	1900905900	15.0	12.0	13.8
13	171739070643	10.0	8.5	9.4
14	161639068443	10.5	13.75	11.8
15	171739074180	5.0	9.75	6.9
16	171739064259	6.0	10.0	7.6
17	171739075730	10.0	14.0	11.6
18	171739075351	5.5	13.0	8.5
19	171739064507	14.5	12.0	13.5
20	171739070541	8.0	14.25	10.5
21	21069050855	6.5	9.0	7.5
22	171739065668	11.5	14.0	12.5
23	171739073740	3.5	11.5	6.7
24	1995260248	5.25	0.0	3.15
25	21069050420	15.0	11.25	13.5
26	161639071406	5.0	10.0	7.0
27	171739072724	2.5	11.75	6.2
28	171739080901	5.5	10.0	7.3
29	1999934446	10.0	12.63	11.05
30	161639070044	9.0	10.38	9.55
31	171539070845	8.5	10.5	9.3

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et simulation des systèmes électromécaniques / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	5.5	9.38	7.05
2	2102942659	3.5	11.0	6.5
3	161639075784	10.0	14.0	11.6
4	171739071790	8.5	12.5	10.1
5	171739065333	9.0	11.75	10.1
6	171739074181	12.75	12.75	12.75
7	161639068669	6.0	10.75	7.9
8	171739065481	5.0	11.0	7.4
9	21049053178	2.5	10.0	5.5
10	171739072728	6.0	13.0	8.8
11	171739074717	7.0	10.0	8.2
12	171739070773	9.5	9.5	9.5
13	171739064348	7.25	9.75	8.25
14	161639071349	3.5	9.25	5.8
15	161639071268	6.25	9.5	7.55
16	171739070544	8.0	10.0	8.8
17	171739069714	3.5	10.0	6.1
18	21049053564	0.0	0.0	0.0
19	161639065610	8.0	9.75	8.7
20	171739065688	11.0	11.75	11.3
21	171739074353	17.0	9.88	14.15
22	171739067073	8.25	13.88	10.5
23	171739069615	7.0	10.13	8.25
24	171739067645	10.0	13.5	11.4
25	171739068695	6.5	11.0	8.3
26	171739064518	8.5	13.0	10.3
27	161639083718	10.75	12.88	11.6
28	171739075731	0.0	0.0	0.0
29	20109044210	5.25	8.0	6.35
30	171539068774	10.0	15.13	12.05

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et simulation des systèmes électromécaniques / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	4.0	10.0	6.4
2	161639072703	10.0	10.25	10.1
3	171739069676	7.5	10.5	8.7
4	171739071252	6.0	7.0	6.4
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	11.0	13.13	11.85
8	171739067094	7.5	13.38	9.85
9	171739064741	9.0	14.25	11.1
10	171739069799	0.0	0.0	0.0
11	171739066536	8.0	12.0	9.6
12	161639065569	7.5	11.75	9.2
13	171739067714	3.5	13.38	7.45
14	171739070685	0.0	0.0	0.0
15	171739067320	3.0	11.63	6.45
16	171739067717	7.5	10.0	8.5
17	161639068958	17.5	16.13	16.95
18	171739066696	13.0	13.38	13.15
19	161639071307	5.5	11.25	7.8
20	171739071866	7.0	9.5	8.0
21	171739067655	10.0	11.5	10.6
22	171739074367	10.5	13.0	11.5
23	171739068717	5.5	9.38	7.05
24	171739064423	15.0	14.75	14.9
25	171739075584	13.0	11.38	12.35
26	171739070151	6.5	9.13	7.55
27	171739074274	7.0	10.25	8.3
28	171739081510	9.5	10.0	9.7
29	161539070131	8.0	12.0	9.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et simulation des systèmes électromécaniques / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	9.5	12.0	10.5
2	171739082341	9.25	11.0	9.95
3	171739067326	17.5	13.5	15.9
4	171739071886	6.5	12.25	8.8
5	161639067893	4.5	11.38	7.25
6	171739070579	10.0	8.38	9.35
7	161639073090	5.5	9.75	7.2
8	171739070699	13.5	11.0	12.5
9	171739066548	11.0	9.25	10.3
10	171739072674	6.5	11.5	8.5
11	171739068628	8.5	12.25	10.0
12	171739064140	13.25	9.25	11.65
13	171739074378	9.0	13.5	10.8
14	171739068260	7.5	11.63	9.15
15	171739071725	7.0	9.0	7.8
16	171739064429	13.0	10.63	12.05
17	18119032535	0.0	12.5	5.0
18	171739070525	10.0	10.0	10.0
19	171739069685	6.5	10.5	8.1
20	171739065635	12.0	10.25	11.3
21	161639071360	2.5	9.75	5.4
22	171739064258	10.0	10.88	10.35
23	171739065435	5.25	10.75	7.45
24	171739066175	9.5	12.0	10.5
25	171739075660	14.0	11.38	12.95
26	1999926927	0.0	0.0	0.0
27	171739065210	5.5	10.0	7.3
28	171739075328	3.0	7.0	4.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et simulation des systèmes électromécaniques / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	5.0	9.5	6.8
2	161639073765	6.5	10.75	8.2
3	181539078340	4.5	9.0	6.3
4	161639076205	7.5	11.5	9.1
5	171739068188	7.0	13.5	9.6
6	171739065468	6.0	10.75	7.9
7	19069056593	7.5	12.75	9.6
8	171739069702	7.0	11.25	8.7
9	161639078252	10.0	12.13	10.85
10	171739065451	6.75	11.5	8.65
11	171739066272	5.0	12.75	8.1
12	181539067903	0.0	0.0	0.0
13	171739067699	10.0	12.25	10.9
14	171739065267	4.5	12.5	7.7
15	171739066274	7.0	10.25	8.3
16	171739067317	3.0	10.75	6.1
17	1902943148	8.0	11.38	9.35
18	171739069257	3.0	11.38	6.35
19	171739073755	4.0	11.75	7.1
20	171739072178	16.0	15.13	15.65
21	2002942796	9.0	9.0	9.0
22	171739074379	6.0	10.0	7.6
23	171739068211	3.0	10.5	6.0
24	171739068522	2.0	11.38	5.75
25	171739071891	7.5	11.25	9.0
26	20099045782	12.0	11.13	11.65
27	161439056491	3.5	0.0	2.1
28	191539071072	10.0	9.0	9.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et simulation des systèmes électromécaniques / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	6.0	9.75	7.5
2	171739076239	0.5	9.88	4.25
3	171739075561	10.0	10.75	10.3
4	171739067713	7.5	9.0	8.1
5	171739070555	13.0	9.0	11.4
6	171739068600	6.0	0.0	3.6
7	171739067719	4.0	11.13	6.85
8	171739081471	5.0	10.0	7.0
9	171739074279	6.0	13.25	8.9
10	171739069751	4.0	9.5	6.2
11	171739070648	14.5	9.0	12.3
12	171739065606	6.0	10.88	7.95
13	171739067689	17.5	13.88	16.05
14	161639076455	6.5	11.5	8.5
15	171739067151	0.5	11.63	4.95
16	171739068574	9.0	10.13	9.45
17	171739080666	3.5	12.13	6.95
18	161639076328	5.0	11.13	7.45
19	161639069045	4.5	11.38	7.25
20	161639069068	0.0	8.5	3.4
21	161639068031	8.0	12.0	9.6
22	19039049637	6.0	11.5	8.2
23	171739066063	5.0	11.13	7.45
24	171739073812	4.0	11.88	7.15
25	191339047656	1.0	8.0	3.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Organisation et gestion de la maintenance industrielle / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	18.0	7.5	13.8
2	171739066739	8.0	8.5	8.2
3	171739068641	8.0	12.0	9.6
4	161639070220	10.0	11.5	10.6
5	171739074287	9.0	6.5	8.0
6	171739070121	11.5	9.0	10.5
7	161639071432	7.5	8.5	7.9
8	171739071746	13.5	11.0	12.5
9	171739067189	11.0	9.5	10.4
10	20119043473	13.5	8.0	11.3
11	171739067628	11.0	9.5	10.4
12	1900905900	15.0	12.0	13.8
13	171739070643	9.5	7.5	8.7
14	161639068443	11.5	9.0	10.5
15	171739074180	10.5	2.5	7.3
16	171739064259	8.0	6.5	7.4
17	171739075730	18.0	9.5	14.6
18	171739075351	9.5	8.5	9.1
19	171739064507	9.0	5.5	7.6
20	171739070541	9.5	9.5	9.5
21	21069050855	13.0	12.0	12.6
22	171739065668	10.5	7.0	9.1
23	171739073740	11.0	9.5	10.4
24	1995260248	17.5	4.0	12.1
25	21069050420	10.0	10.0	10.0
26	161639071406	9.5	5.0	7.7
27	171739072724	11.0	11.5	11.2
28	171739080901	7.0	8.5	7.6
29	1999934446	11.5	9.0	10.5
30	161639070044	7.0	9.0	7.8
31	171539070845	11.0	1.5	7.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Organisation et gestion de la maintenance industrielle / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	9.0	9.0	9.0
2	2102942659	6.5	2.0	4.7
3	161639075784	7.5	9.5	8.3
4	171739071790	12.0	10.0	11.2
5	171739065333	7.0	8.5	7.6
6	171739074181	12.0	9.5	11.0
7	161639068669	10.5	7.5	9.3
8	171739065481	8.0	10.0	8.8
9	21049053178	0.0	2.0	0.8
10	171739072728	8.5	1.5	5.7
11	171739074717	14.0	8.0	11.6
12	171739070773	8.5	10.5	9.3
13	171739064348	7.5	7.0	7.3
14	161639071349	6.5	6.0	6.3
15	161639071268	6.0	7.0	6.4
16	171739070544	9.0	7.0	8.2
17	171739069714	7.0	7.5	7.2
18	21049053564	0.0	0.0	0.0
19	161639065610	12.0	10.5	11.4
20	171739065688	12.0	8.0	10.4
21	171739074353	9.5	10.0	9.7
22	171739067073	12.5	9.0	11.1
23	171739069615	7.5	6.5	7.1
24	171739067645	12.0	10.5	11.4
25	171739068695	10.5	11.5	10.9
26	171739064518	7.5	7.0	7.3
27	161639083718	6.5	8.5	7.3
28	171739075731	0.0	0.0	0.0
29	20109044210	9.5	7.0	8.5
30	171539068774	14.0	11.0	12.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Organisation et gestion de la maintenance industrielle / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	12.5	6.0	9.9
2	161639072703	8.5	8.5	8.5
3	171739069676	5.5	6.0	5.7
4	171739071252	7.0	5.0	6.2
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	10.0	11.0	10.4
8	171739067094	7.0	10.0	8.2
9	171739064741	8.5	11.0	9.5
10	171739069799	0.0	0.0	0.0
11	171739066536	9.0	9.5	9.2
12	161639065569	8.5	8.5	8.5
13	171739067714	14.5	11.0	13.1
14	171739070685	0.0	0.0	0.0
15	171739067320	13.5	9.0	11.7
16	171739067717	11.5	11.5	11.5
17	161639068958	14.0	9.5	12.2
18	171739066696	10.0	11.0	10.4
19	161639071307	10.0	7.0	8.8
20	171739071866	10.5	8.5	9.7
21	171739067655	13.5	7.5	11.1
22	171739074367	11.5	10.0	10.9
23	171739068717	7.0	8.5	7.6
24	171739064423	12.5	8.5	10.9
25	171739075584	12.0	10.0	11.2
26	171739070151	8.0	7.5	7.8
27	171739074274	16.0	10.0	13.6
28	171739081510	12.0	7.5	10.2
29	161539070131	8.0	9.0	8.4

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Organisation et gestion de la maintenance industrielle / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	14.0	14.5	14.2
2	171739082341	8.5	7.5	8.1
3	171739067326	11.5	12.5	11.9
4	171739071886	12.5	8.0	10.7
5	161639067893	8.0	9.0	8.4
6	171739070579	0.0	8.5	3.4
7	161639073090	12.0	7.0	10.0
8	171739070699	9.0	8.5	8.8
9	171739066548	7.0	7.0	7.0
10	171739072674	14.0	8.0	11.6
11	171739068628	11.0	7.0	9.4
12	171739064140	11.5	10.5	11.1
13	171739074378	12.5	9.5	11.3
14	171739068260	8.0	8.5	8.2
15	171739071725	8.0	8.5	8.2
16	171739064429	8.0	4.0	6.4
17	18119032535	0.0	12.0	4.8
18	171739070525	7.5	5.5	6.7
19	171739069685	9.0	7.0	8.2
20	171739065635	9.5	10.5	9.9
21	161639071360	9.5	8.5	9.1
22	171739064258	8.5	12.0	9.9
23	171739065435	10.5	10.5	10.5
24	171739066175	13.0	12.5	12.8
25	171739075660	13.0	10.5	12.0
26	1999926927	0.0	4.0	1.6
27	171739065210	8.0	11.0	9.2
28	171739075328	10.0	11.5	10.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Organisation et gestion de la maintenance industrielle / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	9.5	7.5	8.7
2	161639073765	6.5	10.0	7.9
3	181539078340	6.5	6.0	6.3
4	161639076205	9.5	8.0	8.9
5	171739068188	9.5	10.0	9.7
6	171739065468	7.5	7.5	7.5
7	19069056593	10.0	9.5	9.8
8	171739069702	7.5	7.5	7.5
9	161639078252	8.0	9.5	8.6
10	171739065451	7.5	9.5	8.3
11	171739066272	8.5	4.0	6.7
12	181539067903	0.0	0.0	0.0
13	171739067699	9.5	7.5	8.7
14	171739065267	8.5	8.0	8.3
15	171739066274	10.0	9.5	9.8
16	171739067317	8.0	9.5	8.6
17	1902943148	19.0	10.5	15.6
18	171739069257	7.5	8.5	7.9
19	171739073755	12.5	9.5	11.3
20	171739072178	13.5	9.0	11.7
21	2002942796	9.6	9.6	9.6
22	171739074379	11.0	9.5	10.4
23	171739068211	10.0	7.5	9.0
24	171739068522	12.0	10.0	11.2
25	171739071891	5.5	10.5	7.5
26	20099045782	14.5	9.5	12.5
27	161439056491	12.0	5.0	9.2
28	191539071072	10.0	9.0	9.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Organisation et gestion de la maintenance industrielle / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	9.5	8.0	8.9
2	171739076239	4.5	6.0	5.1
3	171739075561	12.5	11.0	11.9
4	171739067713	8.5	8.5	8.5
5	171739070555	8.5	9.0	8.7
6	171739068600	8.0	4.5	6.6
7	171739067719	12.0	9.5	11.0
8	171739081471	5.5	5.0	5.3
9	171739074279	10.0	10.0	10.0
10	171739069751	8.5	7.5	8.1
11	171739070648	7.5	7.0	7.3
12	171739065606	8.5	9.5	8.9
13	171739067689	11.5	10.5	11.1
14	161639076455	9.0	6.0	7.8
15	171739067151	8.5	7.5	8.1
16	171739068574	7.0	12.5	9.2
17	171739080666	8.0	9.0	8.4
18	161639076328	8.0	9.5	8.6
19	161639069045	10.0	8.5	9.4
20	161639069068	7.5	7.0	7.3
21	161639068031	6.5	9.5	7.7
22	19039049637	14.5	4.0	10.3
23	171739066063	6.0	7.5	6.6
24	171739073812	7.0	8.5	7.6
25	191339047656	10.0	6.0	8.4

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

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

#	Matricule	Examen	CC	MG
1	21069064902	13.0	0.0	13.0
2	171739066739	10.0	0.0	10.0
3	171739068641	10.0	0.0	10.0
4	161639070220	14.5	0.0	14.5
5	171739074287	11.0	0.0	11.0
6	171739070121	11.0	0.0	11.0
7	161639071432	12.0	0.0	12.0
8	171739071746	11.0	0.0	11.0
9	171739067189	11.0	0.0	11.0
10	20119043473	17.0	0.0	17.0
11	171739067628	10.0	0.0	10.0
12	1900905900	14.0	0.0	14.0
13	171739070643	14.0	0.0	14.0
14	161639068443	10.0	0.0	10.0
15	171739074180	12.0	0.0	12.0
16	171739064259	10.0	0.0	10.0
17	171739075730	10.0	0.0	10.0
18	171739075351	11.0	0.0	11.0
19	171739064507	12.0	0.0	12.0
20	171739070541	10.0	0.0	10.0
21	21069050855	12.5	0.0	12.5
22	171739065668	10.0	0.0	10.0
23	171739073740	11.0	0.0	11.0
24	1995260248	15.0	0.0	15.0
25	21069050420	12.5	0.0	12.5
26	161639071406	10.0	0.0	10.0
27	171739072724	12.0	0.0	12.0
28	171739080901	10.0	0.0	10.0
29	1999934446	14.0	0.0	14.0
30	161639070044	12.0	0.0	12.0
31	171539070845	10.0	0.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

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

#	Matricule	Examen	CC	MG
1	171739068380	10.0	0.0	10.0
2	2102942659	10.0	0.0	10.0
3	161639075784	12.0	0.0	12.0
4	171739071790	10.0	0.0	10.0
5	171739065333	8.0	0.0	8.0
6	171739074181	10.0	0.0	10.0
7	161639068669	9.0	0.0	9.0
8	171739065481	8.0	0.0	8.0
9	21049053178	6.0	0.0	6.0
10	171739072728	10.0	0.0	10.0
11	171739074717	10.0	0.0	10.0
12	171739070773	11.0	0.0	11.0
13	171739064348	11.0	0.0	11.0
14	161639071349	7.0	0.0	7.0
15	161639071268	8.5	0.0	8.5
16	171739070544	8.0	0.0	8.0
17	171739069714	6.0	0.0	6.0
18	21049053564	0.0	0.0	0.0
19	161639065610	12.0	0.0	12.0
20	171739065688	13.5	0.0	13.5
21	171739074353	10.0	0.0	10.0
22	171739067073	8.0	0.0	8.0
23	171739069615	9.0	0.0	9.0
24	171739067645	8.0	0.0	8.0
25	171739068695	10.0	0.0	10.0
26	171739064518	10.0	0.0	10.0
27	161639083718	8.0	0.0	8.0
28	171739075731	0.0	0.0	0.0
29	20109044210	12.0	0.0	12.0
30	171539068774	12.0	0.0	12.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Recherche documentaire et conception de mémoire / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	11.0	0.0	11.0
2	161639072703	10.0	0.0	10.0
3	171739069676	10.0	0.0	10.0
4	171739071252	10.0	0.0	10.0
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	14.0	0.0	14.0
8	171739067094	10.0	0.0	10.0
9	171739064741	12.0	0.0	12.0
10	171739069799	0.0	0.0	0.0
11	171739066536	10.0	0.0	10.0
12	161639065569	11.0	0.0	11.0
13	171739067714	13.5	0.0	13.5
14	171739070685	0.0	0.0	0.0
15	171739067320	11.0	0.0	11.0
16	171739067717	10.0	0.0	10.0
17	161639068958	14.0	0.0	14.0
18	171739066696	10.0	0.0	10.0
19	161639071307	10.5	0.0	10.5
20	171739071866	11.0	0.0	11.0
21	171739067655	10.0	0.0	10.0
22	171739074367	11.0	0.0	11.0
23	171739068717	10.0	0.0	10.0
24	171739064423	12.0	0.0	12.0
25	171739075584	12.0	0.0	12.0
26	171739070151	10.0	0.0	10.0
27	171739074274	11.0	0.0	11.0
28	171739081510	10.0	0.0	10.0
29	161539070131	7.0	0.0	7.0

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Recherche documentaire et conception de mémoire / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	12.0	0.0	12.0
2	171739082341	13.5	0.0	13.5
3	171739067326	15.0	0.0	15.0
4	171739071886	15.0	0.0	15.0
5	161639067893	10.0	0.0	10.0
6	171739070579	10.0	0.0	10.0
7	161639073090	13.0	0.0	13.0
8	171739070699	10.0	0.0	10.0
9	171739066548	10.0	0.0	10.0
10	171739072674	15.0	0.0	15.0
11	171739068628	12.0	0.0	12.0
12	171739064140	10.0	0.0	10.0
13	171739074378	10.0	0.0	10.0
14	171739068260	10.0	0.0	10.0
15	171739071725	14.0	0.0	14.0
16	171739064429	10.0	0.0	10.0
17	18119032535	0.0	0.0	0.0
18	171739070525	11.0	0.0	11.0
19	171739069685	10.0	0.0	10.0
20	171739065635	14.0	0.0	14.0
21	161639071360	10.0	0.0	10.0
22	171739064258	13.0	0.0	13.0
23	171739065435	10.0	0.0	10.0
24	171739066175	17.0	0.0	17.0
25	171739075660	14.0	0.0	14.0
26	1999926927	0.0	0.0	0.0
27	171739065210	11.0	0.0	11.0
28	171739075328	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Recherche documentaire et conception de mémoire / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	5.0	0.0	5.0
2	161639073765	11.0	0.0	11.0
3	181539078340	8.0	0.0	8.0
4	161639076205	8.0	0.0	8.0
5	171739068188	13.0	0.0	13.0
6	171739065468	10.0	0.0	10.0
7	19069056593	12.0	0.0	12.0
8	171739069702	10.0	0.0	10.0
9	161639078252	11.0	0.0	11.0
10	171739065451	10.0	0.0	10.0
11	171739066272	8.0	0.0	8.0
12	181539067903	0.0	0.0	0.0
13	171739067699	10.0	0.0	10.0
14	171739065267	10.5	0.0	10.5
15	171739066274	10.0	0.0	10.0
16	171739067317	5.0	0.0	5.0
17	1902943148	11.0	0.0	11.0
18	171739069257	8.0	0.0	8.0
19	171739073755	7.0	0.0	7.0
20	171739072178	12.0	0.0	12.0
21	2002942796	15.0	0.0	15.0
22	171739074379	12.0	0.0	12.0
23	171739068211	5.0	0.0	5.0
24	171739068522	10.0	0.0	10.0
25	171739071891	6.0	0.0	6.0
26	20099045782	13.0	0.0	13.0
27	161439056491	12.5	0.0	12.5
28	191539071072	13.0	0.0	13.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Recherche documentaire et conception de mémoire / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	8.0	0.0	8.0
2	171739076239	12.5	0.0	12.5
3	171739075561	10.0	0.0	10.0
4	171739067713	10.0	0.0	10.0
5	171739070555	10.0	0.0	10.0
6	171739068600	10.0	0.0	10.0
7	171739067719	13.0	0.0	13.0
8	171739081471	11.0	0.0	11.0
9	171739074279	10.0	0.0	10.0
10	171739069751	13.0	0.0	13.0
11	171739070648	12.0	0.0	12.0
12	171739065606	14.0	0.0	14.0
13	171739067689	10.0	0.0	10.0
14	161639076455	6.0	0.0	6.0
15	171739067151	10.0	0.0	10.0
16	171739068574	6.0	0.0	6.0
17	171739080666	8.0	0.0	8.0
18	161639076328	8.0	0.0	8.0
19	161639069045	12.0	0.0	12.0
20	161639069068	10.0	0.0	10.0
21	161639068031	13.0	0.0	13.0
22	19039049637	14.5	0.0	14.5
23	171739066063	6.0	0.0	6.0
24	171739073812	12.0	0.0	12.0
25	191339047656	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Technique de commande avancée / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	8.0	6.0	7.2
2	171739066739	13.0	13.5	13.2
3	171739068641	7.0	10.0	8.2
4	161639070220	9.0	12.75	10.5
5	171739074287	13.0	15.5	14.0
6	171739070121	6.0	12.5	8.6
7	161639071432	12.0	15.0	13.2
8	171739071746	10.0	13.0	11.2
9	171739067189	15.0	14.0	14.6
10	20119043473	10.0	12.0	10.8
11	171739067628	8.0	11.75	9.5
12	1900905900	13.0	14.0	13.4
13	171739070643	14.0	17.25	15.3
14	161639068443	9.0	12.5	10.4
15	171739074180	2.0	5.0	3.2
16	171739064259	12.0	15.5	13.4
17	171739075730	8.0	12.5	9.8
18	171739075351	4.0	12.5	7.4
19	171739064507	14.0	12.5	13.4
20	171739070541	4.0	11.0	6.8
21	21069050855	8.0	6.0	7.2
22	171739065668	11.0	13.0	11.8
23	171739073740	10.0	11.5	10.6
24	1995260248	0.0	6.0	2.4
25	21069050420	13.0	6.0	10.2
26	161639071406	5.0	8.5	6.4
27	171739072724	13.0	12.25	12.7
28	171739080901	6.0	9.0	7.2
29	1999934446	16.0	16.5	16.2
30	161639070044	5.0	11.0	7.4
31	171539070845	7.0	12.0	9.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Technique de commande avancée / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	6.0	10.0	7.6
2	2102942659	0.0	6.0	2.4
3	161639075784	16.0	14.0	15.2
4	171739071790	9.0	13.25	10.7
5	171739065333	7.0	11.0	8.6
6	171739074181	11.0	12.0	11.4
7	161639068669	7.0	11.0	8.6
8	171739065481	11.0	11.0	11.0
9	21049053178	2.0	8.0	4.4
10	171739072728	4.0	8.5	5.8
11	171739074717	9.0	8.0	8.6
12	171739070773	10.0	12.5	11.0
13	171739064348	5.0	8.0	6.2
14	161639071349	10.0	10.0	10.0
15	161639071268	8.0	9.5	8.6
16	171739070544	13.0	14.0	13.4
17	171739069714	9.0	12.5	10.4
18	21049053564	0.0	0.0	0.0
19	161639065610	9.0	10.5	9.6
20	171739065688	8.0	13.25	10.1
21	171739074353	7.0	15.0	10.2
22	171739067073	7.0	11.0	8.6
23	171739069615	7.0	8.0	7.4
24	171739067645	11.0	13.0	11.8
25	171739068695	5.0	14.0	8.6
26	171739064518	15.0	18.0	16.2
27	161639083718	7.0	11.75	8.9
28	171739075731	0.0	0.0	0.0
29	20109044210	4.0	12.5	7.4
30	171539068774	13.0	13.5	13.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Technique de commande avancée / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	7.0	7.5	7.2
2	161639072703	4.0	11.5	7.0
3	171739069676	6.0	13.0	8.8
4	171739071252	3.0	11.0	6.2
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	9.0	12.5	10.4
8	171739067094	6.0	7.0	6.4
9	171739064741	13.0	16.75	14.5
10	171739069799	0.0	6.0	2.4
11	171739066536	8.0	12.5	9.8
12	161639065569	5.0	11.0	7.4
13	171739067714	6.0	7.5	6.6
14	171739070685	4.0	8.5	5.8
15	171739067320	10.0	9.5	9.8
16	171739067717	10.0	13.5	11.4
17	161639068958	17.0	17.5	17.2
18	171739066696	18.0	16.0	17.2
19	161639071307	4.0	14.0	8.0
20	171739071866	7.0	5.0	6.2
21	171739067655	12.0	14.5	13.0
22	171739074367	8.0	16.5	11.4
23	171739068717	9.0	10.5	9.6
24	171739064423	14.0	16.0	14.8
25	171739075584	14.0	13.75	13.9
26	171739070151	8.0	12.5	9.8
27	171739074274	8.0	11.5	9.4
28	171739081510	11.5	13.5	12.3
29	161539070131	8.0	15.5	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Technique de commande avancée / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	4.0	14.0	8.0
2	171739082341	7.0	11.0	8.6
3	171739067326	11.0	14.5	12.4
4	171739071886	9.0	13.5	10.8
5	161639067893	7.0	12.0	9.0
6	171739070579	7.0	12.25	9.1
7	161639073090	11.0	11.5	11.2
8	171739070699	8.0	16.0	11.2
9	171739066548	7.0	11.5	8.8
10	171739072674	11.0	13.5	12.0
11	171739068628	9.0	11.5	10.0
12	171739064140	14.0	14.0	14.0
13	171739074378	10.0	12.0	10.8
14	171739068260	10.0	12.5	11.0
15	171739071725	7.0	12.0	9.0
16	171739064429	8.0	11.0	9.2
17	18119032535	0.0	11.0	4.4
18	171739070525	7.0	9.5	8.0
19	171739069685	9.0	12.5	10.4
20	171739065635	11.0	14.5	12.4
21	161639071360	5.0	10.5	7.2
22	171739064258	12.0	15.5	13.4
23	171739065435	13.0	12.0	12.6
24	171739066175	12.0	15.25	13.3
25	171739075660	10.0	14.25	11.7
26	1999926927	0.0	6.0	2.4
27	171739065210	13.0	13.0	13.0
28	171739075328	4.0	8.5	5.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Technique de commande avancée / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	11.0	11.5	11.2
2	161639073765	6.0	12.0	8.4
3	181539078340	9.0	10.5	9.6
4	161639076205	6.0	8.5	7.0
5	171739068188	9.0	10.0	9.4
6	171739065468	5.0	13.0	8.2
7	19069056593	11.0	14.0	12.2
8	171739069702	8.0	12.0	9.6
9	161639078252	8.0	11.0	9.2
10	171739065451	7.0	12.0	9.0
11	171739066272	4.0	8.5	5.8
12	181539067903	0.0	0.0	0.0
13	171739067699	6.0	10.5	7.8
14	171739065267	10.0	13.0	11.2
15	171739066274	5.0	8.5	6.4
16	171739067317	5.0	7.5	6.0
17	1902943148	13.0	11.5	12.4
18	171739069257	7.0	11.0	8.6
19	171739073755	13.0	15.0	13.8
20	171739072178	14.0	13.0	13.6
21	2002942796	13.0	13.0	13.0
22	171739074379	8.0	10.0	8.8
23	171739068211	8.0	12.0	9.6
24	171739068522	8.0	12.5	9.8
25	171739071891	7.0	7.0	7.0
26	20099045782	12.0	12.5	12.2
27	161439056491	7.0	8.5	7.6
28	191539071072	7.0	8.5	7.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Technique de commande avancée / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	8.0	9.75	8.7
2	171739076239	6.0	8.5	7.0
3	171739075561	12.0	13.5	12.6
4	171739067713	12.0	9.0	10.8
5	171739070555	14.0	16.0	14.8
6	171739068600	7.0	12.5	9.2
7	171739067719	5.0	11.5	7.6
8	171739081471	5.0	11.0	7.4
9	171739074279	8.0	10.0	8.8
10	171739069751	0.0	8.0	3.2
11	171739070648	6.0	12.5	8.6
12	171739065606	15.0	13.0	14.2
13	171739067689	18.0	15.5	17.0
14	161639076455	9.0	8.0	8.6
15	171739067151	6.0	11.0	8.0
16	171739068574	15.0	11.5	13.6
17	171739080666	7.0	12.5	9.2
18	161639076328	2.0	8.5	4.6
19	161639069045	10.0	8.0	9.2
20	161639069068	6.0	9.0	7.2
21	161639068031	9.0	12.0	10.2
22	19039049637	6.0	12.5	8.6
23	171739066063	2.0	11.0	5.6
24	171739073812	13.0	14.5	13.6
25	191339047656	5.0	10.0	7.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Microprocesseurs et API / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	0.0	10.0	10.0
2	171739066739	0.0	17.0	17.0
3	171739068641	0.0	13.0	13.0
4	161639070220	0.0	17.5	17.5
5	171739074287	0.0	10.0	10.0
6	171739070121	0.0	16.5	16.5
7	161639071432	0.0	18.0	18.0
8	171739071746	0.0	11.0	11.0
9	171739067189	0.0	14.0	14.0
10	20119043473	0.0	18.0	18.0
11	171739067628	0.0	10.5	10.5
12	1900905900	0.0	12.5	12.5
13	171739070643	0.0	12.0	12.0
14	161639068443	0.0	16.0	16.0
15	171739074180	0.0	9.0	9.0
16	171739064259	0.0	8.5	8.5
17	171739075730	0.0	16.0	16.0
18	171739075351	0.0	10.0	10.0
19	171739064507	0.0	17.5	17.5
20	171739070541	0.0	12.0	12.0
21	21069050855	0.0	0.0	0.0
22	171739065668	0.0	17.5	17.5
23	171739073740	0.0	9.5	9.5
24	1995260248	0.0	0.0	0.0
25	21069050420	0.0	10.0	10.0
26	161639071406	0.0	8.5	8.5
27	171739072724	0.0	18.0	18.0
28	171739080901	0.0	17.5	17.5
29	1999934446	0.0	10.0	10.0
30	161639070044	0.0	11.0	11.0
31	171539070845	0.0	15.0	15.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Microprocesseurs et API / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	0.0	17.0	17.0
2	2102942659	0.0	9.75	9.75
3	161639075784	0.0	11.5	11.5
4	171739071790	0.0	18.0	18.0
5	171739065333	0.0	10.0	10.0
6	171739074181	0.0	17.0	17.0
7	161639068669	0.0	12.0	12.0
8	171739065481	0.0	15.5	15.5
9	21049053178	0.0	11.75	11.75
10	171739072728	0.0	8.0	8.0
11	171739074717	0.0	15.0	15.0
12	171739070773	0.0	11.5	11.5
13	171739064348	0.0	15.0	15.0
14	161639071349	0.0	10.5	10.5
15	161639071268	0.0	17.5	17.5
16	171739070544	0.0	11.0	11.0
17	171739069714	0.0	16.5	16.5
18	21049053564	0.0	0.0	0.0
19	161639065610	0.0	10.5	10.5
20	171739065688	0.0	11.0	11.0
21	171739074353	0.0	17.0	17.0
22	171739067073	0.0	14.0	14.0
23	171739069615	0.0	8.0	8.0
24	171739067645	0.0	17.5	17.5
25	171739068695	0.0	16.0	16.0
26	171739064518	0.0	11.5	11.5
27	161639083718	0.0	10.0	10.0
28	171739075731	0.0	0.0	0.0
29	20109044210	0.0	15.0	15.0
30	171539068774	0.0	16.5	16.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Microprocesseurs et API / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	0.0	13.0	13.0
2	161639072703	0.0	13.0	13.0
3	171739069676	0.0	14.0	14.0
4	171739071252	0.0	0.0	0.0
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	0.0	14.0	14.0
8	171739067094	0.0	16.5	16.5
9	171739064741	0.0	11.0	11.0
10	171739069799	0.0	0.0	0.0
11	171739066536	0.0	16.0	16.0
12	161639065569	0.0	13.0	13.0
13	171739067714	0.0	18.0	18.0
14	171739070685	0.0	0.0	0.0
15	171739067320	0.0	15.0	15.0
16	171739067717	0.0	17.0	17.0
17	161639068958	0.0	11.5	11.5
18	171739066696	0.0	17.5	17.5
19	161639071307	0.0	12.0	12.0
20	171739071866	0.0	13.0	13.0
21	171739067655	0.0	17.0	17.0
22	171739074367	0.0	12.5	12.5
23	171739068717	0.0	13.0	13.0
24	171739064423	0.0	17.5	17.5
25	171739075584	0.0	11.5	11.5
26	171739070151	0.0	10.5	10.5
27	171739074274	0.0	13.0	13.0
28	171739081510	0.0	10.5	10.5
29	161539070131	0.0	16.5	16.5

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Microprocesseurs et API / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	0.0	14.0	14.0
2	171739082341	0.0	15.5	15.5
3	171739067326	0.0	18.5	18.5
4	171739071886	0.0	17.5	17.5
5	161639067893	0.0	16.0	16.0
6	171739070579	0.0	12.0	12.0
7	161639073090	0.0	10.5	10.5
8	171739070699	0.0	13.0	13.0
9	171739066548	0.0	17.0	17.0
10	171739072674	0.0	13.0	13.0
11	171739068628	0.0	11.5	11.5
12	171739064140	0.0	17.5	17.5
13	171739074378	0.0	16.0	16.0
14	171739068260	0.0	13.0	13.0
15	171739071725	0.0	8.0	8.0
16	171739064429	0.0	10.5	10.5
17	18119032535	0.0	5.0	5.0
18	171739070525	0.0	14.0	14.0
19	171739069685	0.0	8.0	8.0
20	171739065635	0.0	13.0	13.0
21	161639071360	0.0	13.0	13.0
22	171739064258	0.0	8.0	8.0
23	171739065435	0.0	14.0	14.0
24	171739066175	0.0	18.5	18.5
25	171739075660	0.0	10.5	10.5
26	1999926927	0.0	0.0	0.0
27	171739065210	0.0	12.0	12.0
28	171739075328	0.0	10.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Microprocesseurs et API / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	0.0	16.5	16.5
2	161639073765	0.0	18.5	18.5
3	181539078340	0.0	8.5	8.5
4	161639076205	0.0	12.5	12.5
5	171739068188	0.0	15.5	15.5
6	171739065468	0.0	10.5	10.5
7	19069056593	0.0	9.0	9.0
8	171739069702	0.0	17.0	17.0
9	161639078252	0.0	14.5	14.5
10	171739065451	0.0	13.5	13.5
11	171739066272	0.0	10.5	10.5
12	181539067903	0.0	0.0	0.0
13	171739067699	0.0	15.5	15.5
14	171739065267	0.0	10.0	10.0
15	171739066274	0.0	9.0	9.0
16	171739067317	0.0	8.0	8.0
17	1902943148	0.0	16.0	16.0
18	171739069257	0.0	13.0	13.0
19	171739073755	0.0	13.0	13.0
20	171739072178	0.0	17.0	17.0
21	2002942796	0.0	18.0	18.0
22	171739074379	0.0	18.5	18.5
23	171739068211	0.0	11.5	11.5
24	171739068522	0.0	17.5	17.5
25	171739071891	0.0	11.5	11.5
26	20099045782	0.0	12.0	12.0
27	161439056491	0.0	13.0	13.0
28	191539071072	0.0	5.0	5.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Microprocesseurs et API / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	0.0	13.5	13.5
2	171739076239	0.0	14.5	14.5
3	171739075561	0.0	13.0	13.0
4	171739067713	0.0	13.5	13.5
5	171739070555	0.0	11.5	11.5
6	171739068600	0.0	9.0	9.0
7	171739067719	0.0	10.5	10.5
8	171739081471	0.0	18.5	18.5
9	171739074279	0.0	11.5	11.5
10	171739069751	0.0	12.0	12.0
11	171739070648	0.0	11.5	11.5
12	171739065606	0.0	14.0	14.0
13	171739067689	0.0	18.5	18.5
14	161639076455	0.0	10.5	10.5
15	171739067151	0.0	16.0	16.0
16	171739068574	0.0	11.5	11.5
17	171739080666	0.0	10.25	10.25
18	161639076328	0.0	12.0	12.0
19	161639069045	0.0	13.0	13.0
20	161639069068	0.0	13.5	13.5
21	161639068031	0.0	10.0	10.0
22	19039049637	0.0	17.0	17.0
23	171739066063	0.0	10.0	10.0
24	171739073812	0.0	10.75	10.75
25	191339047656	0.0	8.5	8.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et simulation des systèmes électromécaniques / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	0.0	16.0	16.0
2	171739066739	0.0	19.0	19.0
3	171739068641	0.0	20.0	20.0
4	161639070220	0.0	19.0	19.0
5	171739074287	0.0	20.0	20.0
6	171739070121	0.0	17.0	17.0
7	161639071432	0.0	17.0	17.0
8	171739071746	0.0	20.0	20.0
9	171739067189	0.0	20.0	20.0
10	20119043473	0.0	19.0	19.0
11	171739067628	0.0	16.0	16.0
12	1900905900	0.0	20.0	20.0
13	171739070643	0.0	17.0	17.0
14	161639068443	0.0	16.0	16.0
15	171739074180	0.0	18.0	18.0
16	171739064259	0.0	16.0	16.0
17	171739075730	0.0	17.0	17.0
18	171739075351	0.0	18.0	18.0
19	171739064507	0.0	0.0	0.0
20	171739070541	0.0	17.0	17.0
21	21069050855	0.0	16.0	16.0
22	171739065668	0.0	17.0	17.0
23	171739073740	0.0	20.0	20.0
24	1995260248	0.0	19.0	19.0
25	21069050420	0.0	0.0	0.0
26	161639071406	0.0	17.0	17.0
27	171739072724	0.0	17.0	17.0
28	171739080901	0.0	17.0	17.0
29	1999934446	0.0	20.0	20.0
30	161639070044	0.0	19.0	19.0
31	171539070845	0.0	17.0	17.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et simulation des systèmes électromécaniques / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	0.0	19.0	19.0
2	2102942659	0.0	15.0	15.0
3	161639075784	0.0	20.0	20.0
4	171739071790	0.0	18.0	18.0
5	171739065333	0.0	17.0	17.0
6	171739074181	0.0	19.0	19.0
7	161639068669	0.0	20.0	20.0
8	171739065481	0.0	20.0	20.0
9	21049053178	0.0	15.0	15.0
10	171739072728	0.0	17.0	17.0
11	171739074717	0.0	19.0	19.0
12	171739070773	0.0	17.0	17.0
13	171739064348	0.0	20.0	20.0
14	161639071349	0.0	18.0	18.0
15	161639071268	0.0	15.0	15.0
16	171739070544	0.0	17.0	17.0
17	171739069714	0.0	15.0	15.0
18	21049053564	0.0	0.0	0.0
19	161639065610	0.0	20.0	20.0
20	171739065688	0.0	18.0	18.0
21	171739074353	0.0	17.0	17.0
22	171739067073	0.0	15.0	15.0
23	171739069615	0.0	15.0	15.0
24	171739067645	0.0	19.0	19.0
25	171739068695	0.0	20.0	20.0
26	171739064518	0.0	16.0	16.0
27	161639083718	0.0	18.0	18.0
28	171739075731	0.0	0.0	0.0
29	20109044210	0.0	18.0	18.0
30	171539068774	0.0	20.0	20.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et simulation des systèmes électromécaniques / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	0.0	17.0	17.0
2	161639072703	0.0	17.0	17.0
3	171739069676	0.0	15.0	15.0
4	171739071252	0.0	20.0	20.0
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	0.0	18.0	18.0
8	171739067094	0.0	15.0	15.0
9	171739064741	0.0	19.0	19.0
10	171739069799	0.0	15.0	15.0
11	171739066536	0.0	19.0	19.0
12	161639065569	0.0	20.0	20.0
13	171739067714	0.0	20.0	20.0
14	171739070685	0.0	0.0	0.0
15	171739067320	0.0	15.0	15.0
16	171739067717	0.0	19.0	19.0
17	161639068958	0.0	20.0	20.0
18	171739066696	0.0	20.0	20.0
19	161639071307	0.0	18.0	18.0
20	171739071866	0.0	17.0	17.0
21	171739067655	0.0	19.0	19.0
22	171739074367	0.0	17.0	17.0
23	171739068717	0.0	20.0	20.0
24	171739064423	0.0	17.0	17.0
25	171739075584	0.0	16.0	16.0
26	171739070151	0.0	17.0	17.0
27	171739074274	0.0	17.0	17.0
28	171739081510	0.0	16.0	16.0
29	161539070131	0.0	18.0	18.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et simulation des systèmes électromécaniques / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	0.0	19.0	19.0
2	171739082341	0.0	17.0	17.0
3	171739067326	0.0	20.0	20.0
4	171739071886	0.0	18.0	18.0
5	161639067893	0.0	19.0	19.0
6	171739070579	0.0	17.0	17.0
7	161639073090	0.0	20.0	20.0
8	171739070699	0.0	17.0	17.0
9	171739066548	0.0	19.0	19.0
10	171739072674	0.0	17.0	17.0
11	171739068628	0.0	20.0	20.0
12	171739064140	0.0	20.0	20.0
13	171739074378	0.0	19.0	19.0
14	171739068260	0.0	20.0	20.0
15	171739071725	0.0	20.0	20.0
16	171739064429	0.0	20.0	20.0
17	18119032535	0.0	19.0	19.0
18	171739070525	0.0	15.0	15.0
19	171739069685	0.0	17.0	17.0
20	171739065635	0.0	19.0	19.0
21	161639071360	0.0	18.0	18.0
22	171739064258	0.0	19.0	19.0
23	171739065435	0.0	17.0	17.0
24	171739066175	0.0	20.0	20.0
25	171739075660	0.0	20.0	20.0
26	1999926927	0.0	19.0	19.0
27	171739065210	0.0	20.0	20.0
28	171739075328	0.0	20.0	20.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et simulation des systèmes électromécaniques / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	0.0	19.0	19.0
2	161639073765	0.0	18.0	18.0
3	181539078340	0.0	15.0	15.0
4	161639076205	0.0	15.0	15.0
5	171739068188	0.0	17.0	17.0
6	171739065468	0.0	18.0	18.0
7	19069056593	0.0	20.0	20.0
8	171739069702	0.0	17.0	17.0
9	161639078252	0.0	20.0	20.0
10	171739065451	0.0	17.0	17.0
11	171739066272	0.0	15.0	15.0
12	181539067903	0.0	0.0	0.0
13	171739067699	0.0	15.0	15.0
14	171739065267	0.0	17.0	17.0
15	171739066274	0.0	15.0	15.0
16	171739067317	0.0	20.0	20.0
17	1902943148	0.0	17.0	17.0
18	171739069257	0.0	20.0	20.0
19	171739073755	0.0	20.0	20.0
20	171739072178	0.0	18.0	18.0
21	2002942796	0.0	14.0	14.0
22	171739074379	0.0	19.0	19.0
23	171739068211	0.0	20.0	20.0
24	171739068522	0.0	19.0	19.0
25	171739071891	0.0	17.0	17.0
26	20099045782	0.0	18.0	18.0
27	161439056491	0.0	18.0	18.0
28	191539071072	0.0	16.0	16.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et simulation des systèmes électromécaniques / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	0.0	19.0	19.0
2	171739076239	0.0	19.0	19.0
3	171739075561	0.0	16.0	16.0
4	171739067713	0.0	19.0	19.0
5	171739070555	0.0	17.0	17.0
6	171739068600	0.0	20.0	20.0
7	171739067719	0.0	15.0	15.0
8	171739081471	0.0	20.0	20.0
9	171739074279	0.0	19.0	19.0
10	171739069751	0.0	15.0	15.0
11	171739070648	0.0	17.0	17.0
12	171739065606	0.0	17.0	17.0
13	171739067689	0.0	20.0	20.0
14	161639076455	0.0	15.0	15.0
15	171739067151	0.0	20.0	20.0
16	171739068574	0.0	20.0	20.0
17	171739080666	0.0	15.0	15.0
18	161639076328	0.0	15.0	15.0
19	161639069045	0.0	17.0	17.0
20	161639069068	0.0	19.0	19.0
21	161639068031	0.0	19.0	19.0
22	19039049637	0.0	19.0	19.0
23	171739066063	0.0	17.0	17.0
24	171739073812	0.0	20.0	20.0
25	191339047656	0.0	20.0	20.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Technique de commande avancée / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	0.0	0.0	0.0
2	171739066739	0.0	10.25	10.25
3	171739068641	0.0	0.0	0.0
4	161639070220	0.0	12.25	12.25
5	171739074287	0.0	11.0	11.0
6	171739070121	0.0	9.25	9.25
7	161639071432	0.0	9.25	9.25
8	171739071746	0.0	9.0	9.0
9	171739067189	0.0	14.5	14.5
10	20119043473	0.0	11.0	11.0
11	171739067628	0.0	12.5	12.5
12	1900905900	0.0	14.5	14.5
13	171739070643	0.0	10.0	10.0
14	161639068443	0.0	12.5	12.5
15	171739074180	0.0	0.0	0.0
16	171739064259	0.0	12.5	12.5
17	171739075730	0.0	10.25	10.25
18	171739075351	0.0	10.25	10.25
19	171739064507	0.0	11.0	11.0
20	171739070541	0.0	8.75	8.75
21	21069050855	0.0	5.0	5.0
22	171739065668	0.0	5.0	5.0
23	171739073740	0.0	0.0	0.0
24	1995260248	0.0	9.25	9.25
25	21069050420	0.0	5.0	5.0
26	161639071406	0.0	8.5	8.5
27	171739072724	0.0	6.25	6.25
28	171739080901	0.0	8.5	8.5
29	1999934446	0.0	0.0	0.0
30	161639070044	0.0	0.0	0.0
31	171539070845	0.0	12.5	12.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Technique de commande avancée / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	0.0	12.25	12.25
2	2102942659	0.0	9.0	9.0
3	161639075784	0.0	11.0	11.0
4	171739071790	0.0	9.25	9.25
5	171739065333	0.0	5.0	5.0
6	171739074181	0.0	6.0	6.0
7	161639068669	0.0	10.5	10.5
8	171739065481	0.0	12.75	12.75
9	21049053178	0.0	9.0	9.0
10	171739072728	0.0	6.25	6.25
11	171739074717	0.0	9.25	9.25
12	171739070773	0.0	10.0	10.0
13	171739064348	0.0	12.75	12.75
14	161639071349	0.0	8.5	8.5
15	161639071268	0.0	12.5	12.5
16	171739070544	0.0	10.0	10.0
17	171739069714	0.0	9.25	9.25
18	21049053564	0.0	0.0	0.0
19	161639065610	0.0	10.2	10.2
20	171739065688	0.0	9.25	9.25
21	171739074353	0.0	6.0	6.0
22	171739067073	0.0	10.0	10.0
23	171739069615	0.0	12.0	12.0
24	171739067645	0.0	10.0	10.0
25	171739068695	0.0	8.5	8.5
26	171739064518	0.0	8.25	8.25
27	161639083718	0.0	10.25	10.25
28	171739075731	0.0	0.0	0.0
29	20109044210	0.0	9.0	9.0
30	171539068774	0.0	11.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Technique de commande avancée / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	0.0	4.0	4.0
2	161639072703	0.0	10.0	10.0
3	171739069676	0.0	12.0	12.0
4	171739071252	0.0	10.0	10.0
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	0.0	10.25	10.25
8	171739067094	0.0	10.0	10.0
9	171739064741	0.0	8.5	8.5
10	171739069799	0.0	12.0	12.0
11	171739066536	0.0	5.0	5.0
12	161639065569	0.0	8.75	8.75
13	171739067714	0.0	12.75	12.75
14	171739070685	0.0	0.0	0.0
15	171739067320	0.0	10.0	10.0
16	171739067717	0.0	10.0	10.0
17	161639068958	0.0	14.5	14.5
18	171739066696	0.0	8.5	8.5
19	161639071307	0.0	12.0	12.0
20	171739071866	0.0	9.25	9.25
21	171739067655	0.0	10.0	10.0
22	171739074367	0.0	6.0	6.0
23	171739068717	0.0	5.0	5.0
24	171739064423	0.0	5.0	5.0
25	171739075584	0.0	8.25	8.25
26	171739070151	0.0	9.25	9.25
27	171739074274	0.0	6.0	6.0
28	171739081510	0.0	8.25	8.25
29	161539070131	0.0	10.25	10.25

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Technique de commande avancée / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	0.0	10.25	10.25
2	171739082341	0.0	10.0	10.0
3	171739067326	0.0	14.0	14.0
4	171739071886	0.0	12.5	12.5
5	161639067893	0.0	11.0	11.0
6	171739070579	0.0	7.5	7.5
7	161639073090	0.0	11.0	11.0
8	171739070699	0.0	10.0	10.0
9	171739066548	0.0	10.25	10.25
10	171739072674	0.0	7.0	7.0
11	171739068628	0.0	5.0	5.0
12	171739064140	0.0	14.0	14.0
13	171739074378	0.0	10.0	10.0
14	171739068260	0.0	5.0	5.0
15	171739071725	0.0	11.0	11.0
16	171739064429	0.0	10.25	10.25
17	18119032535	0.0	10.0	10.0
18	171739070525	0.0	10.0	10.0
19	171739069685	0.0	9.5	9.5
20	171739065635	0.0	8.5	8.5
21	161639071360	0.0	5.0	5.0
22	171739064258	0.0	8.5	8.5
23	171739065435	0.0	8.75	8.75
24	171739066175	0.0	14.0	14.0
25	171739075660	0.0	12.25	12.25
26	1999926927	0.0	10.0	10.0
27	171739065210	0.0	10.25	10.25
28	171739075328	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Technique de commande avancée / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	0.0	10.25	10.25
2	161639073765	0.0	7.75	7.75
3	181539078340	0.0	4.0	4.0
4	161639076205	0.0	7.5	7.5
5	171739068188	0.0	9.0	9.0
6	171739065468	0.0	7.75	7.75
7	19069056593	0.0	10.0	10.0
8	171739069702	0.0	10.5	10.5
9	161639078252	0.0	10.5	10.5
10	171739065451	0.0	7.75	7.75
11	171739066272	0.0	10.0	10.0
12	181539067903	0.0	0.0	0.0
13	171739067699	0.0	8.0	8.0
14	171739065267	0.0	6.25	6.25
15	171739066274	0.0	6.25	6.25
16	171739067317	0.0	14.0	14.0
17	1902943148	0.0	10.0	10.0
18	171739069257	0.0	10.5	10.5
19	171739073755	0.0	10.0	10.0
20	171739072178	0.0	12.5	12.5
21	2002942796	0.0	16.0	16.0
22	171739074379	0.0	7.5	7.5
23	171739068211	0.0	10.5	10.5
24	171739068522	0.0	8.0	8.0
25	171739071891	0.0	5.0	5.0
26	20099045782	0.0	11.5	11.5
27	161439056491	0.0	10.0	10.0
28	191539071072	0.0	11.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Technique de commande avancée / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	0.0	5.0	5.0
2	171739076239	0.0	7.5	7.5
3	171739075561	0.0	10.0	10.0
4	171739067713	0.0	10.0	10.0
5	171739070555	0.0	10.0	10.0
6	171739068600	0.0	5.0	5.0
7	171739067719	0.0	8.0	8.0
8	171739081471	0.0	10.25	10.25
9	171739074279	0.0	10.0	10.0
10	171739069751	0.0	10.5	10.5
11	171739070648	0.0	10.0	10.0
12	171739065606	0.0	8.75	8.75
13	171739067689	0.0	14.5	14.5
14	161639076455	0.0	7.5	7.5
15	171739067151	0.0	10.5	10.5
16	171739068574	0.0	8.5	8.5
17	171739080666	0.0	10.5	10.5
18	161639076328	0.0	7.5	7.5
19	161639069045	0.0	0.0	0.0
20	161639069068	0.0	10.0	10.0
21	161639068031	0.0	11.0	11.0
22	19039049637	0.0	0.0	0.0
23	171739066063	0.0	7.75	7.75
24	171739073812	0.0	10.0	10.0
25	191339047656	0.0	8.0	8.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Traitement .de sing. / Section A / 1

#	Matricule	Examen	CC	MG
1	21069064902	4.0	0.0	4.0
2	171739066739	1.5	0.0	1.5
3	171739068641	12.5	0.0	12.5
4	161639070220	13.5	0.0	13.5
5	171739074287	5.0	0.0	5.0
6	171739070121	1.5	0.0	1.5
7	161639071432	0.0	0.0	0.0
8	171739071746	4.5	0.0	4.5
9	171739067189	12.5	0.0	12.5
10	20119043473	10.0	0.0	10.0
11	171739067628	2.0	0.0	2.0
12	1900905900	13.0	0.0	13.0
13	171739070643	5.0	0.0	5.0
14	161639068443	1.5	0.0	1.5
15	171739074180	0.0	0.0	0.0
16	171739064259	2.0	0.0	2.0
17	171739075730	11.5	0.0	11.5
18	171739075351	0.0	0.0	0.0
19	171739064507	4.0	0.0	4.0
20	171739070541	2.5	0.0	2.5
21	21069050855	4.0	0.0	4.0
22	171739065668	14.0	0.0	14.0
23	171739073740	8.5	0.0	8.5
24	1995260248	0.0	0.0	0.0
25	21069050420	14.0	0.0	14.0
26	161639071406	9.0	0.0	9.0
27	171739072724	4.0	0.0	4.0
28	171739080901	0.0	0.0	0.0
29	1999934446	4.0	0.0	4.0
30	161639070044	5.5	0.0	5.5
31	171539070845	11.5	0.0	11.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Traitement .de sing. / Section A / 2

#	Matricule	Examen	CC	MG
1	171739068380	0.5	0.0	0.5
2	2102942659	0.0	0.0	0.0
3	161639075784	1.5	0.0	1.5
4	171739071790	1.0	0.0	1.0
5	171739065333	5.5	0.0	5.5
6	171739074181	4.5	0.0	4.5
7	161639068669	0.5	0.0	0.5
8	171739065481	3.0	0.0	3.0
9	21049053178	2.0	0.0	2.0
10	171739072728	0.0	0.0	0.0
11	171739074717	0.0	0.0	0.0
12	171739070773	17.5	0.0	17.5
13	171739064348	6.0	0.0	6.0
14	161639071349	2.5	0.0	2.5
15	161639071268	2.5	0.0	2.5
16	171739070544	13.0	0.0	13.0
17	171739069714	5.0	0.0	5.0
18	21049053564	0.0	0.0	0.0
19	161639065610	3.5	0.0	3.5
20	171739065688	3.0	0.0	3.0
21	171739074353	4.5	0.0	4.5
22	171739067073	4.5	0.0	4.5
23	171739069615	1.5	0.0	1.5
24	171739067645	20.0	0.0	20.0
25	171739068695	5.0	0.0	5.0
26	171739064518	9.5	0.0	9.5
27	161639083718	0.0	0.0	0.0
28	171739075731	0.0	0.0	0.0
29	20109044210	0.5	0.0	0.5
30	171539068774	13.0	0.0	13.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Traitement .de sing. / Section A / 3

#	Matricule	Examen	CC	MG
1	171739072848	0.0	0.0	0.0
2	161639072703	0.0	0.0	0.0
3	171739069676	3.5	0.0	3.5
4	171739071252	0.0	0.0	0.0
5	2100381615	0.0	0.0	0.0
6	21059060319	0.0	0.0	0.0
7	20089038010	5.0	0.0	5.0
8	171739067094	2.0	0.0	2.0
9	171739064741	15.5	0.0	15.5
10	171739069799	0.0	0.0	0.0
11	171739066536	8.5	0.0	8.5
12	161639065569	1.0	0.0	1.0
13	171739067714	3.0	0.0	3.0
14	171739070685	2.0	0.0	2.0
15	171739067320	5.5	0.0	5.5
16	171739067717	3.0	0.0	3.0
17	161639068958	14.5	0.0	14.5
18	171739066696	18.5	0.0	18.5
19	161639071307	2.0	0.0	2.0
20	171739071866	1.5	0.0	1.5
21	171739067655	4.5	0.0	4.5
22	171739074367	3.5	0.0	3.5
23	171739068717	1.0	0.0	1.0
24	171739064423	9.5	0.0	9.5
25	171739075584	15.0	0.0	15.0
26	171739070151	2.0	0.0	2.0
27	171739074274	1.0	0.0	1.0
28	171739081510	4.0	0.0	4.0
29	161539070131	3.5	0.0	3.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Traitement .de sing. / Section A / 4

#	Matricule	Examen	CC	MG
1	171739066726	10.0	0.0	10.0
2	171739082341	4.5	0.0	4.5
3	171739067326	14.5	0.0	14.5
4	171739071886	0.5	0.0	0.5
5	161639067893	2.0	0.0	2.0
6	171739070579	2.0	0.0	2.0
7	161639073090	3.5	0.0	3.5
8	171739070699	17.5	0.0	17.5
9	171739066548	6.0	0.0	6.0
10	171739072674	5.5	0.0	5.5
11	171739068628	2.0	0.0	2.0
12	171739064140	13.0	0.0	13.0
13	171739074378	7.0	0.0	7.0
14	171739068260	0.0	0.0	0.0
15	171739071725	1.0	0.0	1.0
16	171739064429	0.5	0.0	0.5
17	18119032535	0.0	0.0	0.0
18	171739070525	15.0	0.0	15.0
19	171739069685	0.5	0.0	0.5
20	171739065635	17.5	0.0	17.5
21	161639071360	4.5	0.0	4.5
22	171739064258	5.5	0.0	5.5
23	171739065435	1.5	0.0	1.5
24	171739066175	11.5	0.0	11.5
25	171739075660	7.0	0.0	7.0
26	1999926927	0.0	0.0	0.0
27	171739065210	1.5	0.0	1.5
28	171739075328	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Traitement .de sing. / Section A / 5

#	Matricule	Examen	CC	MG
1	171739066675	3.0	0.0	3.0
2	161639073765	2.5	0.0	2.5
3	181539078340	0.0	0.0	0.0
4	161639076205	2.5	0.0	2.5
5	171739068188	2.0	0.0	2.0
6	171739065468	0.5	0.0	0.5
7	19069056593	12.0	0.0	12.0
8	171739069702	3.5	0.0	3.5
9	161639078252	0.0	0.0	0.0
10	171739065451	4.5	0.0	4.5
11	171739066272	1.0	0.0	1.0
12	181539067903	0.0	0.0	0.0
13	171739067699	1.5	0.0	1.5
14	171739065267	3.5	0.0	3.5
15	171739066274	0.0	0.0	0.0
16	171739067317	3.0	0.0	3.0
17	1902943148	4.0	0.0	4.0
18	171739069257	2.0	0.0	2.0
19	171739073755	12.0	0.0	12.0
20	171739072178	0.0	0.0	0.0
21	2002942796	14.5	0.0	14.5
22	171739074379	5.5	0.0	5.5
23	171739068211	2.0	0.0	2.0
24	171739068522	0.0	0.0	0.0
25	171739071891	1.5	0.0	1.5
26	20099045782	2.0	0.0	2.0
27	161439056491	6.0	0.0	6.0
28	191539071072	2.0	0.0	2.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Traitement .de sing. / Section A / 6

#	Matricule	Examen	CC	MG
1	171739074750	0.0	0.0	0.0
2	171739076239	2.0	0.0	2.0
3	171739075561	7.0	0.0	7.0
4	171739067713	3.5	0.0	3.5
5	171739070555	2.0	0.0	2.0
6	171739068600	6.5	0.0	6.5
7	171739067719	3.5	0.0	3.5
8	171739081471	3.5	0.0	3.5
9	171739074279	3.5	0.0	3.5
10	171739069751	0.5	0.0	0.5
11	171739070648	2.5	0.0	2.5
12	171739065606	3.0	0.0	3.0
13	171739067689	13.0	0.0	13.0
14	161639076455	6.0	0.0	6.0
15	171739067151	0.5	0.0	0.5
16	171739068574	18.0	0.0	18.0
17	171739080666	3.0	0.0	3.0
18	161639076328	8.5	0.0	8.5
19	161639069045	2.5	0.0	2.5
20	161639069068	4.5	0.0	4.5
21	161639068031	0.0	0.0	0.0
22	19039049637	4.0	0.0	4.0
23	171739066063	3.5	0.0	3.5
24	171739073812	9.5	0.0	9.5
25	191339047656	1.0	0.0	1.0

Signature de l'enseignant:

Le: