

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Anglais Technique et Terminologie / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	0.0	0.0	0.0
2	21119045596	0.0	0.0	0.0
3	171739074240	0.0	0.0	0.0
4	181839073019	15.0	0.0	15.0
5	20089051962	14.5	0.0	14.5
6	181839072953	13.0	0.0	13.0
7	171739066600	15.0	0.0	15.0
8	181839068972	13.5	0.0	13.5
9	181839069445	14.5	0.0	14.5
10	21039049545	11.0	0.0	11.0
11	181839070589	14.0	0.0	14.0
12	181839071606	12.0	0.0	12.0
13	171731002915	0.0	0.0	0.0
14	181839067427	19.5	0.0	19.5
15	181839067547	19.5	0.0	19.5
16	181839064850	13.0	0.0	13.0
17	181839071138	11.0	0.0	11.0
18	161639072568	13.5	0.0	13.5
19	171739069739	12.0	0.0	12.0
20	181839068214	14.0	0.0	14.0
21	171739081794	14.5	0.0	14.5
22	161639057016	8.0	0.0	8.0
23	181839064390	14.0	0.0	14.0
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	11.0	0.0	11.0
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	15.0	0.0	15.0
31	211439057923	0.0	0.0	0.0

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Anglais Technique et Terminologie / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	0.0	0.0
2	181539070639	0.0	0.0	0.0
3	181839069378	13.5	0.0	13.5
4	181839072959	16.0	0.0	16.0
5	181839064851	13.5	0.0	13.5
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	13.0	0.0	13.0
9	181839071634	0.0	0.0	0.0
10	21922002029	13.0	0.0	13.0
11	21921002029	11.0	0.0	11.0
12	181839068254	14.0	0.0	14.0
13	161639065290	18.0	0.0	18.0
14	21119047942	13.5	0.0	13.5
15	181839071141	14.0	0.0	14.0
16	181839070598	11.0	0.0	11.0
17	171739076237	13.0	0.0	13.0
18	181839064400	0.0	0.0	0.0
19	181839065591	13.0	0.0	13.0
20	21901032026	13.0	0.0	13.0
21	181839071500	15.5	0.0	15.5
22	171739074278	15.0	0.0	15.0
23	171739066641	13.25	0.0	13.25
24	181839071099	12.0	0.0	12.0
25	171739073695	11.0	0.0	11.0
26	181839068427	0.0	0.0	0.0
27	171739070637	13.0	0.0	13.0
28	181839067461	17.0	0.0	17.0
29	181839067551	19.5	0.0	19.5
30	171734048443	14.0	0.0	14.0
31	181839064561	13.0	0.0	13.0
32	181839066388	13.5	0.0	13.5
33	16049055859	13.0	0.0	13.0
34	21099040497	14.0	0.0	14.0
35	191439060833	14.0	0.0	14.0
36	1699929159	11.0	0.0	11.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Anglais Technique et Terminologie / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	11.0	0.0	11.0
2	181839072968	16.0	0.0	16.0
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	16.5	0.0	16.5
6	181839064406	12.5	0.0	12.5
7	181839064568	11.0	0.0	11.0
8	171739055009	0.0	0.0	0.0
9	181839065602	13.0	0.0	13.0
10	21059058637	0.0	0.0	0.0
11	161639073089	14.5	0.0	14.5
12	181839067498	16.0	0.0	16.0
13	181839066549	13.5	0.0	13.5
14	181839070717	14.0	0.0	14.0
15	181839071507	13.0	0.0	13.0
16	171839079960	13.5	0.0	13.5
17	181839069773	16.0	0.0	16.0
18	171739070666	15.5	0.0	15.5
19	181839071159	14.0	0.0	14.0
20	181839071111	13.5	0.0	13.5
21	171739073744	14.0	0.0	14.0
22	181839068311	13.5	0.0	13.5
23	181839069384	0.0	0.0	0.0
24	181839071636	14.5	0.0	14.5
25	19119035122	14.0	0.0	14.0
26	181839064861	16.5	0.0	16.5
27	181839068432	13.5	0.0	13.5
28	181839067566	15.5	0.0	15.5
29	181539071041	15.0	0.0	15.0
30	21129045597	11.0	0.0	11.0
31	191439071075	12.5	0.0	12.5

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Anglais Technique et Terminologie / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	12.0	0.0	12.0
2	171739064409	14.5	0.0	14.5
3	2097803145	19.5	0.0	19.5
4	171739067214	14.5	0.0	14.5
5	181839068442	13.0	0.0	13.0
6	181839073593	15.0	0.0	15.0
7	181839069388	0.0	0.0	0.0
8	161639065545	14.0	0.0	14.0
9	181839071179	13.0	0.0	13.0
10	19059060528	11.0	0.0	11.0
11	171739070700	0.0	0.0	0.0
12	181839072969	14.5	0.0	14.5
13	181839071133	0.0	0.0	0.0
14	181839064907	11.0	0.0	11.0
15	181839064580	15.0	0.0	15.0
16	21079077078	11.0	0.0	11.0
17	181839064432	18.5	0.0	18.5
18	181839071570	0.0	0.0	0.0
19	181839066645	11.0	0.0	11.0
20	21119042267	13.5	0.0	13.5
21	171739073751	16.0	0.0	16.0
22	181839068340	13.5	0.0	13.5
23	181839067900	11.0	0.0	11.0
24	181839067531	14.5	0.0	14.5
25	181839069897	15.5	0.0	15.5
26	181839070744	13.0	0.0	13.0
27	171739080780	13.5	0.0	13.5
28	181839072203	14.5	0.0	14.5
29	161639075779	11.0	0.0	11.0
30	181839067553	13.5	0.0	13.5
31	21129049959	12.5	0.0	12.5
32	161539064956	0.0	0.0	0.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Anglais Technique et Terminologie / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	14.0	0.0	14.0
2	181839054116	16.0	0.0	16.0
3	181839067534	16.0	0.0	16.0
4	161639071405	8.0	0.0	8.0
5	181839064582	11.0	0.0	11.0
6	181839073003	12.5	0.0	12.5
7	171739068212	16.0	0.0	16.0
8	181839073618	12.0	0.0	12.0
9	21119045011	13.0	0.0	13.0
10	181839065350	0.0	0.0	0.0
11	181839065614	14.0	0.0	14.0
12	181839068360	12.5	0.0	12.5
13	171739074190	0.0	0.0	0.0
14	171739071373	15.5	0.0	15.5
15	181839067903	15.0	0.0	15.0
16	181839064519	12.0	0.0	12.0
17	171739065374	0.0	0.0	0.0
18	181839069898	13.5	0.0	13.5
19	171739081369	0.0	0.0	0.0
20	181839069416	12.5	0.0	12.5
21	181839071134	13.5	0.0	13.5
22	181839072329	14.0	0.0	14.0
23	181839070855	15.0	0.0	15.0
24	161639084054	11.5	0.0	11.5
25	181839071587	12.5	0.0	12.5
26	181539083230	12.0	0.0	12.0
27	181839067419	14.5	0.0	14.5
28	181839071386	8.0	0.0	8.0
29	211539065167	11.5	0.0	11.5
30	16129053664	0.0	0.0	0.0
31	21099043186	11.0	0.0	11.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Anglais Technique et Terminologie / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	15.5	0.0	15.5
2	181839073004	13.5	0.0	13.5
3	181839067535	15.5	0.0	15.5
4	181839068467	14.0	0.0	14.0
5	181839072913	0.0	0.0	0.0
6	181839067424	15.0	0.0	15.0
7	171739074198	0.0	0.0	0.0
8	181839065364	0.0	0.0	0.0
9	181839068378	13.5	0.0	13.5
10	171739081410	12.5	0.0	12.5
11	181839065616	14.5	0.0	14.5
12	161639051662	13.5	0.0	13.5
13	161639071445	0.0	0.0	0.0
14	161639084240	15.5	0.0	15.5
15	181839080094	0.0	0.0	0.0
16	181839071412	14.0	0.0	14.0
17	181839064014	18.0	0.0	18.0
18	171739065514	13.5	0.0	13.5
19	181839064523	15.5	0.0	15.5
20	181839071599	12.5	0.0	12.5
21	181839069437	0.0	0.0	0.0
22	171739071884	12.5	0.0	12.5
23	21119045488	15.0	0.0	15.0
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	18.0	0.0	18.0
27	181839071137	12.5	0.0	12.5
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Capteur Instrumentation / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	18.4	0.0	18.4
2	21119045596	0.0	0.0	0.0
3	171739074240	0.0	0.0	0.0
4	181839073019	9.6	0.0	9.6
5	20089051962	0.0	0.0	0.0
6	181839072953	9.6	0.0	9.6
7	171739066600	7.2	0.0	7.2
8	181839068972	8.8	0.0	8.8
9	181839069445	10.4	0.0	10.4
10	21039049545	7.2	0.0	7.2
11	181839070589	9.6	0.0	9.6
12	181839071606	9.6	0.0	9.6
13	171731002915	14.4	0.0	14.4
14	181839067427	16.0	0.0	16.0
15	181839067547	16.8	0.0	16.8
16	181839064850	7.2	0.0	7.2
17	181839071138	8.8	0.0	8.8
18	161639072568	10.4	0.0	10.4
19	171739069739	9.6	0.0	9.6
20	181839068214	11.2	0.0	11.2
21	171739081794	12.0	0.0	12.0
22	161639057016	9.6	0.0	9.6
23	181839064390	9.6	0.0	9.6
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	12.0	0.0	12.0
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	9.6	0.0	9.6
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Capteur Instrumentation / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	0.0	0.0
2	181539070639	0.0	0.0	0.0
3	181839069378	12.0	0.0	12.0
4	181839072959	10.4	0.0	10.4
5	181839064851	10.4	0.0	10.4
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	9.6	0.0	9.6
9	181839071634	0.0	0.0	0.0
10	21922002029	14.4	0.0	14.4
11	21921002029	12.8	0.0	12.8
12	181839068254	4.8	0.0	4.8
13	161639065290	8.8	0.0	8.8
14	21119047942	11.2	0.0	11.2
15	181839071141	10.4	0.0	10.4
16	181839070598	12.0	0.0	12.0
17	171739076237	14.4	0.0	14.4
18	181839064400	8.8	0.0	8.8
19	181839065591	8.8	0.0	8.8
20	21901032026	13.6	0.0	13.6
21	181839071500	14.4	0.0	14.4
22	171739074278	1.6	0.0	1.6
23	171739066641	4.0	0.0	4.0
24	181839071099	14.4	0.0	14.4
25	171739073695	10.4	0.0	10.4
26	181839068427	0.0	0.0	0.0
27	171739070637	9.6	0.0	9.6
28	181839067461	7.2	0.0	7.2
29	181839067551	15.2	0.0	15.2
30	171734048443	11.2	0.0	11.2
31	181839064561	15.2	0.0	15.2
32	181839066388	9.6	0.0	9.6
33	16049055859	0.0	0.0	0.0
34	21099040497	9.6	0.0	9.6
35	191439060833	9.6	0.0	9.6
36	1699929159	11.2	0.0	11.2

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Capteur Instrumentation / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	9.6	0.0	9.6
2	181839072968	10.4	0.0	10.4
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	17.6	0.0	17.6
6	181839064406	4.0	0.0	4.0
7	181839064568	10.4	0.0	10.4
8	171739055009	0.0	0.0	0.0
9	181839065602	7.2	0.0	7.2
10	21059058637	10.4	0.0	10.4
11	161639073089	8.0	0.0	8.0
12	181839067498	11.2	0.0	11.2
13	181839066549	12.8	0.0	12.8
14	181839070717	6.4	0.0	6.4
15	181839071507	9.6	0.0	9.6
16	171839079960	11.2	0.0	11.2
17	181839069773	10.4	0.0	10.4
18	171739070666	12.0	0.0	12.0
19	181839071159	12.0	0.0	12.0
20	181839071111	8.8	0.0	8.8
21	171739073744	7.2	0.0	7.2
22	181839068311	9.6	0.0	9.6
23	181839069384	0.0	0.0	0.0
24	181839071636	7.2	0.0	7.2
25	19119035122	12.8	0.0	12.8
26	181839064861	11.2	0.0	11.2
27	181839068432	4.0	0.0	4.0
28	181839067566	17.6	0.0	17.6
29	181539071041	6.4	0.0	6.4
30	21129045597	17.6	0.0	17.6
31	191439071075	12.0	0.0	12.0

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2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Capteur Instrumentation / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	11.2	0.0	11.2
3	2097803145	13.6	0.0	13.6
4	171739067214	8.0	0.0	8.0
5	181839068442	10.4	0.0	10.4
6	181839073593	10.4	0.0	10.4
7	181839069388	0.0	0.0	0.0
8	161639065545	14.4	0.0	14.4
9	181839071179	8.8	0.0	8.8
10	19059060528	13.6	0.0	13.6
11	171739070700	0.0	0.0	0.0
12	181839072969	6.4	0.0	6.4
13	181839071133	0.0	0.0	0.0
14	181839064907	12.0	0.0	12.0
15	181839064580	12.8	0.0	12.8
16	21079077078	4.8	0.0	4.8
17	181839064432	10.4	0.0	10.4
18	181839071570	0.0	0.0	0.0
19	181839066645	9.6	0.0	9.6
20	21119042267	11.2	0.0	11.2
21	171739073751	8.8	0.0	8.8
22	181839068340	8.8	0.0	8.8
23	181839067900	11.2	0.0	11.2
24	181839067531	0.0	0.0	0.0
25	181839069897	12.0	0.0	12.0
26	181839070744	9.6	0.0	9.6
27	171739080780	10.4	0.0	10.4
28	181839072203	8.0	0.0	8.0
29	161639075779	7.2	0.0	7.2
30	181839067553	11.2	0.0	11.2
31	21129049959	17.6	0.0	17.6
32	161539064956	0.0	0.0	0.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Capteur Instrumentation / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	8.8	0.0	8.8
2	181839054116	13.6	0.0	13.6
3	181839067534	9.6	0.0	9.6
4	161639071405	0.0	0.0	0.0
5	181839064582	6.4	0.0	6.4
6	181839073003	12.8	0.0	12.8
7	171739068212	8.8	0.0	8.8
8	181839073618	4.8	0.0	4.8
9	21119045011	0.0	0.0	0.0
10	181839065350	0.0	0.0	0.0
11	181839065614	9.6	0.0	9.6
12	181839068360	8.8	0.0	8.8
13	171739074190	0.0	0.0	0.0
14	171739071373	9.6	0.0	9.6
15	181839067903	10.4	0.0	10.4
16	181839064519	7.2	0.0	7.2
17	171739065374	0.0	0.0	0.0
18	181839069898	6.4	0.0	6.4
19	171739081369	0.0	0.0	0.0
20	181839069416	8.8	0.0	8.8
21	181839071134	12.0	0.0	12.0
22	181839072329	11.2	0.0	11.2
23	181839070855	8.8	0.0	8.8
24	161639084054	8.0	0.0	8.0
25	181839071587	8.0	0.0	8.0
26	181539083230	10.4	0.0	10.4
27	181839067419	12.0	0.0	12.0
28	181839071386	8.0	0.0	8.0
29	211539065167	12.8	0.0	12.8
30	16129053664	0.0	0.0	0.0
31	21099043186	8.8	0.0	8.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Capteur Instrumentation / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	8.8	0.0	8.8
2	181839073004	17.6	0.0	17.6
3	181839067535	5.6	0.0	5.6
4	181839068467	13.6	0.0	13.6
5	181839072913	0.0	0.0	0.0
6	181839067424	12.0	0.0	12.0
7	171739074198	8.8	0.0	8.8
8	181839065364	0.0	0.0	0.0
9	181839068378	12.8	0.0	12.8
10	171739081410	7.2	0.0	7.2
11	181839065616	16.8	0.0	16.8
12	161639051662	9.6	0.0	9.6
13	161639071445	0.0	0.0	0.0
14	161639084240	4.0	0.0	4.0
15	181839080094	0.0	0.0	0.0
16	181839071412	9.6	0.0	9.6
17	181839064014	6.4	0.0	6.4
18	171739065514	10.4	0.0	10.4
19	181839064523	8.8	0.0	8.8
20	181839071599	9.6	0.0	9.6
21	181839069437	0.0	0.0	0.0
22	171739071884	12.0	0.0	12.0
23	21119045488	0.0	0.0	0.0
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	8.0	0.0	8.0
27	181839071137	10.4	0.0	10.4
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Electronique de puissance avancée / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	13.5	19.0	15.7
2	21119045596	0.0	0.0	0.0
3	171739074240	0.0	0.0	0.0
4	181839073019	20.0	20.0	20.0
5	20089051962	0.0	0.0	0.0
6	181839072953	13.0	17.0	14.6
7	171739066600	20.0	20.0	20.0
8	181839068972	20.0	20.0	20.0
9	181839069445	15.0	20.0	17.0
10	21039049545	20.0	20.0	20.0
11	181839070589	2.0	10.0	5.2
12	181839071606	3.0	8.0	5.0
13	171731002915	18.0	20.0	18.8
14	181839067427	18.0	20.0	18.8
15	181839067547	17.0	20.0	18.2
16	181839064850	0.0	0.0	0.0
17	181839071138	5.0	8.0	6.2
18	161639072568	5.0	10.0	7.0
19	171739069739	5.5	10.0	7.3
20	181839068214	3.5	10.0	6.1
21	171739081794	16.5	19.5	17.7
22	161639057016	5.0	10.0	7.0
23	181839064390	15.0	18.0	16.2
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	6.0	13.0	8.8
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	8.0	3.2
29	171739072700	0.0	0.0	0.0
30	191539070554	2.0	10.0	5.2
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Electronique de puissance avancée / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	8.0	3.2
2	181539070639	0.0	0.0	0.0
3	181839069378	17.0	20.0	18.2
4	181839072959	13.0	19.0	15.4
5	181839064851	8.0	16.0	11.2
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	12.0	20.0	15.2
9	181839071634	0.0	0.0	0.0
10	21922002029	15.0	19.0	16.6
11	21921002029	19.0	19.0	19.0
12	181839068254	12.0	15.0	13.2
13	161639065290	0.0	8.0	3.2
14	21119047942	3.0	8.0	5.0
15	181839071141	8.5	14.0	10.7
16	181839070598	1.0	8.0	3.8
17	171739076237	5.0	9.0	6.6
18	181839064400	4.0	10.0	6.4
19	181839065591	6.5	11.5	8.5
20	21901032026	12.0	20.0	15.2
21	181839071500	7.0	15.0	10.2
22	171739074278	10.0	17.0	12.8
23	171739066641	5.0	13.0	8.2
24	181839071099	16.5	19.5	17.7
25	171739073695	10.0	13.0	11.2
26	181839068427	0.0	0.0	0.0
27	171739070637	3.0	8.0	5.0
28	181839067461	10.5	17.0	13.1
29	181839067551	3.5	10.0	6.1
30	171734048443	17.0	20.0	18.2
31	181839064561	7.0	10.0	8.2
32	181839066388	17.0	20.0	18.2
33	16049055859	16.0	19.0	17.2
34	21099040497	9.0	12.0	10.2
35	191439060833	12.0	20.0	15.2
36	1699929159	17.0	20.0	18.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Electronique de puissance avancée / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	17.5	19.5	18.3
2	181839072968	17.0	20.0	18.2
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	12.0	17.0	14.0
6	181839064406	9.0	15.0	11.4
7	181839064568	4.0	12.0	7.2
8	171739055009	0.0	0.0	0.0
9	181839065602	5.0	13.0	8.2
10	21059058637	0.0	8.0	3.2
11	161639073089	1.0	8.0	3.8
12	181839067498	2.0	10.0	5.2
13	181839066549	12.5	18.0	14.7
14	181839070717	9.0	14.0	11.0
15	181839071507	5.0	10.0	7.0
16	171839079960	8.0	11.0	9.2
17	181839069773	16.5	19.5	17.7
18	171739070666	16.0	19.0	17.2
19	181839071159	5.0	10.0	7.0
20	181839071111	11.0	16.0	13.0
21	171739073744	13.0	19.0	15.4
22	181839068311	17.0	20.0	18.2
23	181839069384	0.0	0.0	0.0
24	181839071636	3.0	10.0	5.8
25	19119035122	1.0	8.0	3.8
26	181839064861	4.0	12.0	7.2
27	181839068432	15.5	20.0	17.3
28	181839067566	7.0	15.0	10.2
29	181539071041	10.0	15.0	12.0
30	21129045597	12.0	20.0	15.2
31	191439071075	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Electronique de puissance avancée / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	0.0	0.0	0.0
3	2097803145	12.5	19.0	15.1
4	171739067214	5.5	13.5	8.7
5	181839068442	18.0	20.0	18.8
6	181839073593	8.0	13.0	10.0
7	181839069388	0.0	0.0	0.0
8	161639065545	0.0	8.0	3.2
9	181839071179	12.0	15.0	13.2
10	19059060528	3.0	9.0	5.4
11	171739070700	0.0	0.0	0.0
12	181839072969	10.0	15.0	12.0
13	181839071133	0.0	0.0	0.0
14	181839064907	7.0	10.0	8.2
15	181839064580	6.0	10.0	7.6
16	21079077078	6.0	9.0	7.2
17	181839064432	17.0	20.0	18.2
18	181839071570	0.0	0.0	0.0
19	181839066645	4.0	12.0	7.2
20	21119042267	1.5	8.0	4.1
21	171739073751	9.0	15.0	11.4
22	181839068340	1.0	9.0	4.2
23	181839067900	12.0	18.0	14.4
24	181839067531	0.0	0.0	0.0
25	181839069897	13.0	19.5	15.6
26	181839070744	5.0	13.0	8.2
27	171739080780	8.0	16.0	11.2
28	181839072203	17.0	20.0	18.2
29	161639075779	10.0	18.0	13.2
30	181839067553	2.0	10.0	5.2
31	21129049959	0.0	8.0	3.2
32	161539064956	0.0	0.0	0.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Electronique de puissance avancée / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	20.0	20.0	20.0
2	181839054116	18.0	20.0	18.8
3	181839067534	14.5	19.0	16.3
4	161639071405	0.0	8.0	3.2
5	181839064582	14.0	16.0	14.8
6	181839073003	7.5	15.5	10.7
7	171739068212	2.0	10.0	5.2
8	181839073618	9.5	17.5	12.7
9	21119045011	0.0	0.0	0.0
10	181839065350	0.0	0.0	0.0
11	181839065614	2.0	10.0	5.2
12	181839068360	17.0	20.0	18.2
13	171739074190	0.0	0.0	0.0
14	171739071373	0.0	8.0	3.2
15	181839067903	14.0	19.0	16.0
16	181839064519	11.0	15.0	12.6
17	171739065374	0.0	0.0	0.0
18	181839069898	6.5	14.5	9.7
19	171739081369	0.0	0.0	0.0
20	181839069416	3.0	8.0	5.0
21	181839071134	17.0	20.0	18.2
22	181839072329	8.0	11.0	9.2
23	181839070855	4.5	8.0	5.9
24	161639084054	17.5	19.5	18.3
25	181839071587	7.0	12.0	9.0
26	181539083230	12.0	19.0	14.8
27	181839067419	6.0	14.0	9.2
28	181839071386	0.0	8.0	3.2
29	211539065167	12.0	20.0	15.2
30	16129053664	0.0	8.0	3.2
31	21099043186	3.0	8.0	5.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Electronique de puissance avancée / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	18.0	20.0	18.8
2	181839073004	15.0	19.5	16.8
3	181839067535	20.0	20.0	20.0
4	181839068467	16.0	19.0	17.2
5	181839072913	0.0	0.0	0.0
6	181839067424	2.0	10.0	5.2
7	171739074198	9.0	13.0	10.6
8	181839065364	0.0	0.0	0.0
9	181839068378	0.0	8.0	3.2
10	171739081410	6.0	14.0	9.2
11	181839065616	5.0	10.0	7.0
12	161639051662	12.0	13.0	12.4
13	161639071445	0.0	0.0	0.0
14	161639084240	13.5	16.5	14.7
15	181839080094	0.0	0.0	0.0
16	181839071412	4.0	9.0	6.0
17	181839064014	18.0	20.0	18.8
18	171739065514	9.0	17.0	12.2
19	181839064523	17.0	19.0	17.8
20	181839071599	1.0	9.0	4.2
21	181839069437	0.0	0.0	0.0
22	171739071884	14.0	19.0	16.0
23	21119045488	17.0	20.0	18.2
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	11.0	11.0	11.0
27	181839071137	7.5	13.0	9.7
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Froid et Condit d'air / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	15.0	0.0	15.0
2	21119045596	3.0	0.0	3.0
3	171739074240	0.0	0.0	0.0
4	181839073019	17.0	0.0	17.0
5	20089051962	0.0	0.0	0.0
6	181839072953	12.0	0.0	12.0
7	171739066600	11.0	0.0	11.0
8	181839068972	11.0	0.0	11.0
9	181839069445	10.0	0.0	10.0
10	21039049545	18.0	0.0	18.0
11	181839070589	10.0	0.0	10.0
12	181839071606	4.0	0.0	4.0
13	171731002915	8.0	0.0	8.0
14	181839067427	20.0	0.0	20.0
15	181839067547	4.0	0.0	4.0
16	181839064850	10.0	0.0	10.0
17	181839071138	6.0	0.0	6.0
18	161639072568	14.0	0.0	14.0
19	171739069739	3.0	0.0	3.0
20	181839068214	4.0	0.0	4.0
21	171739081794	10.0	0.0	10.0
22	161639057016	5.0	0.0	5.0
23	181839064390	9.0	0.0	9.0
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	10.0	0.0	10.0
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	4.0	0.0	4.0
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Froid et Condit d'air / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	0.0	0.0
2	181539070639	0.0	0.0	0.0
3	181839069378	9.0	0.0	9.0
4	181839072959	0.0	0.0	0.0
5	181839064851	14.0	0.0	14.0
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	14.0	0.0	14.0
9	181839071634	0.0	0.0	0.0
10	21922002029	15.0	0.0	15.0
11	21921002029	16.0	0.0	16.0
12	181839068254	11.0	0.0	11.0
13	161639065290	3.0	0.0	3.0
14	21119047942	4.0	0.0	4.0
15	181839071141	11.0	0.0	11.0
16	181839070598	5.0	0.0	5.0
17	171739076237	11.0	0.0	11.0
18	181839064400	0.0	0.0	0.0
19	181839065591	9.0	0.0	9.0
20	21901032026	15.0	0.0	15.0
21	181839071500	10.0	0.0	10.0
22	171739074278	10.0	0.0	10.0
23	171739066641	11.0	0.0	11.0
24	181839071099	10.0	0.0	10.0
25	171739073695	12.0	0.0	12.0
26	181839068427	0.0	0.0	0.0
27	171739070637	3.0	0.0	3.0
28	181839067461	10.0	0.0	10.0
29	181839067551	3.0	0.0	3.0
30	171734048443	8.0	0.0	8.0
31	181839064561	0.0	0.0	0.0
32	181839066388	16.0	0.0	16.0
33	16049055859	17.0	0.0	17.0
34	21099040497	14.0	0.0	14.0
35	191439060833	6.0	0.0	6.0
36	1699929159	16.0	0.0	16.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Froid et Condit d'air / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	13.0	0.0	13.0
2	181839072968	13.0	0.0	13.0
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	9.0	0.0	9.0
6	181839064406	3.0	0.0	3.0
7	181839064568	3.0	0.0	3.0
8	171739055009	0.0	0.0	0.0
9	181839065602	13.0	0.0	13.0
10	21059058637	5.0	0.0	5.0
11	161639073089	15.0	0.0	15.0
12	181839067498	6.0	0.0	6.0
13	181839066549	7.0	0.0	7.0
14	181839070717	10.0	0.0	10.0
15	181839071507	11.0	0.0	11.0
16	171839079960	10.0	0.0	10.0
17	181839069773	16.0	0.0	16.0
18	171739070666	17.0	0.0	17.0
19	181839071159	5.0	0.0	5.0
20	181839071111	14.0	0.0	14.0
21	171739073744	12.0	0.0	12.0
22	181839068311	8.0	0.0	8.0
23	181839069384	0.0	0.0	0.0
24	181839071636	10.0	0.0	10.0
25	19119035122	11.0	0.0	11.0
26	181839064861	11.0	0.0	11.0
27	181839068432	12.0	0.0	12.0
28	181839067566	10.0	0.0	10.0
29	181539071041	5.0	0.0	5.0
30	21129045597	12.0	0.0	12.0
31	191439071075	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Froid et Condit d'air / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	4.0	0.0	4.0
3	2097803145	14.0	0.0	14.0
4	171739067214	2.0	0.0	2.0
5	181839068442	15.0	0.0	15.0
6	181839073593	15.0	0.0	15.0
7	181839069388	0.0	0.0	0.0
8	161639065545	4.0	0.0	4.0
9	181839071179	14.0	0.0	14.0
10	19059060528	13.0	0.0	13.0
11	171739070700	0.0	0.0	0.0
12	181839072969	7.0	0.0	7.0
13	181839071133	0.0	0.0	0.0
14	181839064907	4.0	0.0	4.0
15	181839064580	10.0	0.0	10.0
16	21079077078	8.0	0.0	8.0
17	181839064432	12.0	0.0	12.0
18	181839071570	0.0	0.0	0.0
19	181839066645	11.0	0.0	11.0
20	21119042267	1.0	0.0	1.0
21	171739073751	13.0	0.0	13.0
22	181839068340	8.0	0.0	8.0
23	181839067900	8.0	0.0	8.0
24	181839067531	0.0	0.0	0.0
25	181839069897	11.0	0.0	11.0
26	181839070744	3.0	0.0	3.0
27	171739080780	4.0	0.0	4.0
28	181839072203	16.0	0.0	16.0
29	161639075779	10.0	0.0	10.0
30	181839067553	12.0	0.0	12.0
31	21129049959	13.0	0.0	13.0
32	161539064956	0.0	0.0	0.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Froid et Condit d'air / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	8.0	0.0	8.0
2	181839054116	19.0	0.0	19.0
3	181839067534	14.0	0.0	14.0
4	161639071405	0.0	0.0	0.0
5	181839064582	6.0	0.0	6.0
6	181839073003	12.0	0.0	12.0
7	171739068212	13.0	0.0	13.0
8	181839073618	6.0	0.0	6.0
9	21119045011	3.0	0.0	3.0
10	181839065350	0.0	0.0	0.0
11	181839065614	4.0	0.0	4.0
12	181839068360	12.0	0.0	12.0
13	171739074190	0.0	0.0	0.0
14	171739071373	5.0	0.0	5.0
15	181839067903	6.0	0.0	6.0
16	181839064519	2.0	0.0	2.0
17	171739065374	0.0	0.0	0.0
18	181839069898	6.0	0.0	6.0
19	171739081369	0.0	0.0	0.0
20	181839069416	8.0	0.0	8.0
21	181839071134	12.0	0.0	12.0
22	181839072329	8.0	0.0	8.0
23	181839070855	12.0	0.0	12.0
24	161639084054	0.0	0.0	0.0
25	181839071587	9.0	0.0	9.0
26	181539083230	15.0	0.0	15.0
27	181839067419	7.0	0.0	7.0
28	181839071386	8.0	0.0	8.0
29	211539065167	18.0	0.0	18.0
30	16129053664	0.0	0.0	0.0
31	21099043186	12.0	0.0	12.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Froid et Condit d'air / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	17.0	0.0	17.0
2	181839073004	3.0	0.0	3.0
3	181839067535	16.0	0.0	16.0
4	181839068467	10.0	0.0	10.0
5	181839072913	0.0	0.0	0.0
6	181839067424	9.0	0.0	9.0
7	171739074198	12.0	0.0	12.0
8	181839065364	0.0	0.0	0.0
9	181839068378	0.0	0.0	0.0
10	171739081410	2.0	0.0	2.0
11	181839065616	2.0	0.0	2.0
12	161639051662	18.0	0.0	18.0
13	161639071445	0.0	0.0	0.0
14	161639084240	17.0	0.0	17.0
15	181839080094	0.0	0.0	0.0
16	181839071412	9.0	0.0	9.0
17	181839064014	19.0	0.0	19.0
18	171739065514	0.0	0.0	0.0
19	181839064523	1.0	0.0	1.0
20	181839071599	4.0	0.0	4.0
21	181839069437	0.0	0.0	0.0
22	171739071884	12.0	0.0	12.0
23	21119045488	10.0	0.0	10.0
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	11.0	0.0	11.0
27	181839071137	10.0	0.0	10.0
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines Hydrauliques et Pneumatiques / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	1.5	10.38	5.05
2	21119045596	0.0	0.0	0.0
3	171739074240	0.0	0.0	0.0
4	181839073019	2.5	12.38	6.45
5	20089051962	0.0	0.0	0.0
6	181839072953	1.0	11.75	5.3
7	171739066600	1.5	11.0	5.3
8	181839068972	4.0	13.75	7.9
9	181839069445	6.0	11.63	8.25
10	21039049545	6.5	10.88	8.25
11	181839070589	1.0	11.88	5.35
12	181839071606	1.0	11.38	5.15
13	171731002915	11.5	10.13	10.95
14	181839067427	12.0	15.88	13.55
15	181839067547	3.0	7.75	4.9
16	181839064850	2.5	10.88	5.85
17	181839071138	1.0	10.38	4.75
18	161639072568	1.0	12.13	5.45
19	171739069739	10.0	12.0	10.8
20	181839068214	1.5	10.38	5.05
21	171739081794	1.0	11.5	5.2
22	161639057016	1.0	11.13	5.05
23	181839064390	4.0	11.25	6.9
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	1.0	11.0	5.0
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	0.5	0.0	0.3
31	211439057923	0.0	0.0	0.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines Hydrauliques et Pneumatiques / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	11.75	4.7
2	181539070639	0.0	0.0	0.0
3	181839069378	1.0	11.63	5.25
4	181839072959	1.0	12.38	5.55
5	181839064851	3.5	12.25	7.0
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	2.5	12.63	6.55
9	181839071634	0.0	0.0	0.0
10	21922002029	15.0	13.75	14.5
11	21921002029	11.5	14.0	12.5
12	181839068254	1.0	11.0	5.0
13	161639065290	1.0	7.25	3.5
14	21119047942	7.0	10.37	8.35
15	181839071141	6.5	12.88	9.05
16	181839070598	1.0	8.38	3.95
17	171739076237	1.0	10.25	4.7
18	181839064400	0.0	7.75	3.1
19	181839065591	2.0	11.25	5.7
20	21901032026	14.0	14.25	14.1
21	181839071500	1.0	12.13	5.45
22	171739074278	4.5	12.38	7.65
23	171739066641	7.5	7.63	7.55
24	181839071099	2.5	12.63	6.55
25	171739073695	1.0	13.38	5.95
26	181839068427	0.0	0.0	0.0
27	171739070637	1.0	12.63	5.65
28	181839067461	2.5	11.88	6.25
29	181839067551	1.5	12.63	5.95
30	171734048443	1.0	10.75	4.9
31	181839064561	4.0	11.63	7.05
32	181839066388	10.0	13.0	11.2
33	16049055859	13.0	13.75	13.3
34	21099040497	1.5	11.38	5.45
35	191439060833	12.0	13.0	12.4
36	1699929159	13.0	14.0	13.4

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines Hydrauliques et Pneumatiques / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	1.5	10.5	5.1
2	181839072968	1.5	12.38	5.85
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	1.0	11.25	5.1
6	181839064406	1.0	11.13	5.05
7	181839064568	1.5	10.5	5.1
8	171739055009	0.0	0.0	0.0
9	181839065602	1.5	11.63	5.55
10	21059058637	0.0	13.5	5.4
11	161639073089	7.5	11.0	8.9
12	181839067498	6.5	11.88	8.65
13	181839066549	1.0	11.5	5.2
14	181839070717	1.0	10.25	4.7
15	181839071507	1.5	11.88	5.65
16	171839079960	4.0	11.38	6.95
17	181839069773	1.5	12.5	5.9
18	171739070666	14.0	12.63	13.45
19	181839071159	1.0	11.13	5.05
20	181839071111	2.0	10.88	5.55
21	171739073744	1.5	10.63	5.15
22	181839068311	7.5	12.38	9.45
23	181839069384	0.0	0.0	0.0
24	181839071636	2.5	10.63	5.75
25	19119035122	4.0	0.0	2.4
26	181839064861	15.0	10.75	13.3
27	181839068432	5.0	11.5	7.6
28	181839067566	2.5	8.25	4.8
29	181539071041	1.0	8.63	4.05
30	21129045597	8.0	13.25	10.1
31	191439071075	1.0	8.38	3.95

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines Hydrauliques et Pneumatiques / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	9.0	3.6
2	171739064409	3.0	12.13	6.65
3	2097803145	8.0	11.38	9.35
4	171739067214	2.0	0.0	1.2
5	181839068442	1.0	12.38	5.55
6	181839073593	1.0	13.75	6.1
7	181839069388	0.0	0.0	0.0
8	161639065545	5.0	12.75	8.1
9	181839071179	1.0	12.88	5.75
10	19059060528	4.0	12.37	7.35
11	171739070700	0.0	0.0	0.0
12	181839072969	2.5	13.13	6.75
13	181839071133	0.0	0.0	0.0
14	181839064907	5.0	7.5	6.0
15	181839064580	1.5	13.13	6.15
16	21079077078	1.0	11.13	5.05
17	181839064432	3.0	12.88	6.95
18	181839071570	0.0	0.0	0.0
19	181839066645	1.0	11.38	5.15
20	21119042267	1.5	6.62	3.55
21	171739073751	2.5	12.63	6.55
22	181839068340	1.5	8.25	4.2
23	181839067900	1.5	11.63	5.55
24	181839067531	0.0	0.0	0.0
25	181839069897	2.5	10.5	5.7
26	181839070744	1.5	12.75	6.0
27	171739080780	6.0	11.5	8.2
28	181839072203	1.5	12.13	5.75
29	161639075779	1.0	11.88	5.35
30	181839067553	2.5	8.0	4.7
31	21129049959	1.0	13.13	5.85
32	161539064956	0.0	14.5	5.8
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines Hydrauliques et Pneumatiques / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	4.0	10.5	6.6
2	181839054116	12.5	12.63	12.55
3	181839067534	4.0	12.38	7.35
4	161639071405	1.0	13.25	5.9
5	181839064582	1.0	10.88	4.95
6	181839073003	1.5	11.5	5.5
7	171739068212	1.0	12.63	5.65
8	181839073618	1.0	10.38	4.75
9	21119045011	0.0	0.0	0.0
10	181839065350	0.0	0.0	0.0
11	181839065614	1.5	10.88	5.25
12	181839068360	2.0	10.75	5.5
13	171739074190	0.0	0.0	0.0
14	171739071373	4.0	7.75	5.5
15	181839067903	1.0	13.13	5.85
16	181839064519	1.5	11.63	5.55
17	171739065374	0.0	0.0	0.0
18	181839069898	1.0	7.75	3.7
19	171739081369	0.0	0.0	0.0
20	181839069416	1.0	10.63	4.85
21	181839071134	4.0	11.38	6.95
22	181839072329	1.0	10.75	4.9
23	181839070855	5.5	11.0	7.7
24	161639084054	9.0	13.25	10.7
25	181839071587	1.0	11.75	5.3
26	181539083230	5.5	12.13	8.15
27	181839067419	3.0	2.5	2.8
28	181839071386	1.0	11.75	5.3
29	211539065167	7.5	11.88	9.25
30	16129053664	0.0	0.0	0.0
31	21099043186	2.5	7.75	4.6

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Machines Hydrauliques et Pneumatiques / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	9.0	12.88	10.55
2	181839073004	1.5	13.13	6.15
3	181839067535	2.5	12.63	6.55
4	181839068467	1.5	12.5	5.9
5	181839072913	0.0	0.0	0.0
6	181839067424	1.5	13.63	6.35
7	171739074198	1.0	10.63	4.85
8	181839065364	0.0	0.0	0.0
9	181839068378	1.0	0.0	0.6
10	171739081410	2.5	13.88	7.05
11	181839065616	1.0	14.0	6.2
12	161639051662	5.0	10.13	7.05
13	161639071445	0.0	0.0	0.0
14	161639084240	10.0	11.0	10.4
15	181839080094	0.0	0.0	0.0
16	181839071412	1.0	11.88	5.35
17	181839064014	10.5	12.88	11.45
18	171739065514	2.0	10.25	5.3
19	181839064523	1.0	10.5	4.8
20	181839071599	1.5	10.5	5.1
21	181839069437	0.0	0.0	0.0
22	171739071884	1.0	11.63	5.25
23	21119045488	6.0	13.12	8.85
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	1.0	12.63	5.65
27	181839071137	1.0	12.13	5.45
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	8.0	3.2
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Mécanismes Industriels et Transmission de Puissance / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	5.0	11.0	7.4
2	21119045596	2.0	8.0	4.4
3	171739074240	0.0	0.0	0.0
4	181839073019	7.0	13.0	9.4
5	20089051962	10.5	10.5	10.5
6	181839072953	3.0	8.0	5.0
7	171739066600	4.5	17.0	9.5
8	181839068972	3.0	11.0	6.2
9	181839069445	5.0	10.0	7.0
10	21039049545	2.0	10.0	5.2
11	181839070589	5.5	11.0	7.7
12	181839071606	3.0	12.0	6.6
13	171731002915	1.5	12.0	5.7
14	181839067427	15.0	12.0	13.8
15	181839067547	6.0	12.5	8.6
16	181839064850	2.0	10.5	5.4
17	181839071138	3.5	17.0	8.9
18	161639072568	4.0	10.5	6.6
19	171739069739	9.0	9.0	9.0
20	181839068214	2.0	11.0	5.6
21	171739081794	6.0	7.0	6.4
22	161639057016	1.5	10.5	5.1
23	181839064390	2.0	8.0	4.4
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	6.0	13.0	8.8
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	2.0	10.0	5.2
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Mécanismes Industriels et Transmission de Puissance / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	8.0	3.2
2	181539070639	0.0	0.0	0.0
3	181839069378	5.0	11.0	7.4
4	181839072959	5.5	13.5	8.7
5	181839064851	8.0	11.5	9.4
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	3.0	11.5	6.4
9	181839071634	0.0	0.0	0.0
10	21922002029	10.0	16.5	12.6
11	21921002029	10.0	15.0	12.0
12	181839068254	3.0	14.5	7.6
13	161639065290	2.5	5.5	3.7
14	21119047942	1.5	12.0	5.7
15	181839071141	5.0	12.5	8.0
16	181839070598	3.5	1.5	2.7
17	171739076237	5.0	10.0	7.0
18	181839064400	0.0	8.0	3.2
19	181839065591	3.0	13.0	7.0
20	21901032026	10.0	12.5	11.0
21	181839071500	3.5	14.0	7.7
22	171739074278	5.0	10.0	7.0
23	171739066641	0.0	14.0	5.6
24	181839071099	5.5	10.0	7.3
25	171739073695	3.5	10.0	6.1
26	181839068427	0.0	0.0	0.0
27	171739070637	4.0	11.5	7.0
28	181839067461	10.0	11.0	10.4
29	181839067551	5.0	12.0	7.8
30	171734048443	5.5	14.5	9.1
31	181839064561	4.0	14.0	8.0
32	181839066388	7.0	11.0	8.6
33	16049055859	10.0	14.5	11.8
34	21099040497	8.0	13.5	10.2
35	191439060833	5.0	13.0	8.2
36	1699929159	10.0	14.5	11.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Mécanismes Industriels et Transmission de Puissance / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	5.0	10.0	7.0
2	181839072968	13.5	10.5	12.3
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	6.5	11.0	8.3
6	181839064406	8.0	14.0	10.4
7	181839064568	10.0	14.5	11.8
8	171739055009	0.0	0.0	0.0
9	181839065602	7.0	13.0	9.4
10	21059058637	0.0	0.0	0.0
11	161639073089	3.0	13.0	7.0
12	181839067498	8.5	10.0	9.1
13	181839066549	3.5	15.5	8.3
14	181839070717	2.5	15.5	7.7
15	181839071507	8.5	12.5	10.1
16	171839079960	3.0	11.5	6.4
17	181839069773	5.0	11.5	7.6
18	171739070666	8.5	12.0	9.9
19	181839071159	2.0	11.0	5.6
20	181839071111	7.0	15.0	10.2
21	171739073744	5.0	14.5	8.8
22	181839068311	6.5	14.5	9.7
23	181839069384	0.0	0.0	0.0
24	181839071636	7.5	13.5	9.9
25	19119035122	3.0	0.0	1.8
26	181839064861	6.0	11.0	8.0
27	181839068432	3.5	12.5	7.1
28	181839067566	8.0	16.0	11.2
29	181539071041	7.5	0.0	4.5
30	21129045597	5.5	6.0	5.7
31	191439071075	6.0	0.0	3.6

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Mécanismes Industriels et Transmission de Puissance / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	2.0	0.0	1.2
2	171739064409	3.0	10.0	5.8
3	2097803145	4.0	17.0	9.2
4	171739067214	4.5	0.0	2.7
5	181839068442	10.0	13.5	11.4
6	181839073593	10.0	16.0	12.4
7	181839069388	0.0	0.0	0.0
8	161639065545	4.5	13.5	8.1
9	181839071179	4.0	13.0	7.6
10	19059060528	10.0	11.5	10.6
11	171739070700	0.0	0.0	0.0
12	181839072969	2.0	13.5	6.6
13	181839071133	0.0	0.0	0.0
14	181839064907	2.0	14.0	6.8
15	181839064580	3.0	10.0	5.8
16	21079077078	2.0	9.0	4.8
17	181839064432	3.0	13.5	7.2
18	181839071570	0.0	0.0	0.0
19	181839066645	7.0	17.0	11.0
20	21119042267	2.0	12.0	6.0
21	171739073751	5.0	10.0	7.0
22	181839068340	4.0	5.0	4.4
23	181839067900	3.5	13.0	7.3
24	181839067531	0.0	0.0	0.0
25	181839069897	2.0	18.0	8.4
26	181839070744	3.5	14.0	7.7
27	171739080780	4.0	14.0	8.0
28	181839072203	4.5	11.5	7.3
29	161639075779	4.5	10.0	6.7
30	181839067553	6.5	13.5	9.3
31	21129049959	10.5	16.0	12.7
32	161539064956	0.0	8.0	3.2
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Mécanismes Industriels et Transmission de Puissance / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	6.5	12.0	8.7
2	181839054116	8.0	13.5	10.2
3	181839067534	14.0	18.0	15.6
4	161639071405	0.0	13.5	5.4
5	181839064582	7.0	10.5	8.4
6	181839073003	3.0	12.0	6.6
7	171739068212	11.2	11.2	11.2
8	181839073618	0.0	11.0	4.4
9	21119045011	3.5	13.0	7.3
10	181839065350	0.0	0.0	0.0
11	181839065614	2.0	4.0	2.8
12	181839068360	10.0	14.5	11.8
13	171739074190	0.0	0.0	0.0
14	171739071373	1.5	11.0	5.3
15	181839067903	8.0	14.0	10.4
16	181839064519	3.5	14.0	7.7
17	171739065374	0.0	0.0	0.0
18	181839069898	7.5	14.5	10.3
19	171739081369	0.0	0.0	0.0
20	181839069416	4.5	13.0	7.9
21	181839071134	4.0	17.0	9.2
22	181839072329	4.0	10.5	6.6
23	181839070855	4.0	10.0	6.4
24	161639084054	3.5	15.5	8.3
25	181839071587	2.0	12.5	6.2
26	181539083230	10.0	13.5	11.4
27	181839067419	11.5	16.0	13.3
28	181839071386	4.0	14.5	8.2
29	211539065167	6.0	15.0	9.6
30	16129053664	0.0	0.0	0.0
31	21099043186	10.0	12.5	11.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Mécanismes Industriels et Transmission de Puissance / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	6.0	14.5	9.4
2	181839073004	3.5	10.5	6.3
3	181839067535	6.5	17.0	10.7
4	181839068467	5.5	12.5	8.3
5	181839072913	0.0	1.5	0.6
6	181839067424	5.5	12.5	8.3
7	171739074198	4.5	11.5	7.3
8	181839065364	0.0	0.0	0.0
9	181839068378	2.0	0.0	1.2
10	171739081410	2.0	10.0	5.2
11	181839065616	10.0	13.5	11.4
12	161639051662	8.0	13.5	10.2
13	161639071445	0.0	0.0	0.0
14	161639084240	10.5	12.5	11.3
15	181839080094	0.0	0.0	0.0
16	181839071412	10.0	13.0	11.2
17	181839064014	12.0	13.5	12.6
18	171739065514	4.0	8.0	5.6
19	181839064523	4.0	14.0	8.0
20	181839071599	8.0	12.0	9.6
21	181839069437	0.0	0.0	0.0
22	171739071884	6.0	14.0	9.2
23	21119045488	5.5	14.5	9.1
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	12.7	12.7	12.7
27	181839071137	3.0	15.0	7.8
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	10.5	4.2
30	211539070480	0.0	0.0	0.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et Simulation des Machines Electriques / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	8.5	12.5	10.1
2	21119045596	0.0	0.0	0.0
3	171739074240	0.0	0.0	0.0
4	181839073019	10.0	12.5	11.0
5	20089051962	0.0	0.0	0.0
6	181839072953	8.0	12.5	9.8
7	171739066600	12.0	14.5	13.0
8	181839068972	2.5	13.5	6.9
9	181839069445	6.5	11.75	8.6
10	21039049545	11.0	16.75	13.3
11	181839070589	6.5	12.0	8.7
12	181839071606	3.0	11.75	6.5
13	171731002915	6.0	10.75	7.9
14	181839067427	18.5	15.25	17.2
15	181839067547	5.0	12.25	7.9
16	181839064850	0.0	11.25	4.5
17	181839071138	2.0	11.5	5.8
18	161639072568	4.5	10.0	6.7
19	171739069739	3.0	10.25	5.9
20	181839068214	4.0	10.5	6.6
21	171739081794	0.0	11.0	4.4
22	161639057016	4.5	11.75	7.4
23	181839064390	5.0	10.5	7.2
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	5.0	11.75	7.7
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	0.0	0.0	0.0
31	211439057923	0.0	0.0	0.0

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Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et Simulation des Machines Electriques / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	1.5	0.0	0.9
2	181539070639	0.0	0.0	0.0
3	181839069378	6.5	12.25	8.8
4	181839072959	8.0	12.5	9.8
5	181839064851	2.0	10.0	5.2
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	5.0	10.0	7.0
9	181839071634	0.0	0.0	0.0
10	21922002029	11.0	15.75	12.9
11	21921002029	11.0	15.75	12.9
12	181839068254	6.5	11.5	8.5
13	161639065290	3.0	11.25	6.3
14	21119047942	7.5	13.0	9.7
15	181839071141	7.0	12.5	9.2
16	181839070598	2.5	10.0	5.5
17	171739076237	4.5	11.0	7.1
18	181839064400	0.0	11.75	4.7
19	181839065591	5.0	12.75	8.1
20	21901032026	6.5	13.5	9.3
21	181839071500	4.5	12.25	7.6
22	171739074278	4.5	10.75	7.0
23	171739066641	6.5	11.25	8.4
24	181839071099	7.0	11.75	8.9
25	171739073695	4.5	10.25	6.8
26	181839068427	0.0	0.0	0.0
27	171739070637	9.0	12.25	10.3
28	181839067461	8.5	12.25	10.0
29	181839067551	8.0	12.75	9.9
30	171734048443	9.5	12.0	10.5
31	181839064561	5.0	10.0	7.0
32	181839066388	10.0	11.75	10.7
33	16049055859	10.0	15.75	12.3
34	21099040497	7.0	13.0	9.4
35	191439060833	8.0	13.0	10.0
36	1699929159	10.5	15.75	12.6

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et Simulation des Machines Electriques / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	12.0	12.25	12.1
2	181839072968	11.0	12.5	11.6
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	8.0	13.25	10.1
6	181839064406	2.5	11.25	6.0
7	181839064568	6.5	12.5	8.9
8	171739055009	0.0	0.0	0.0
9	181839065602	9.0	14.25	11.1
10	21059058637	5.0	13.5	8.4
11	161639073089	3.0	12.25	6.7
12	181839067498	5.0	11.0	7.4
13	181839066549	3.0	12.0	6.6
14	181839070717	4.0	8.75	5.9
15	181839071507	9.0	12.5	10.4
16	171839079960	9.0	14.25	11.1
17	181839069773	11.5	13.75	12.4
18	171739070666	14.5	14.5	14.5
19	181839071159	9.0	12.25	10.3
20	181839071111	6.0	10.5	7.8
21	171739073744	5.0	12.5	8.0
22	181839068311	8.0	13.0	10.0
23	181839069384	0.0	0.0	0.0
24	181839071636	5.0	10.75	7.3
25	19119035122	5.5	0.0	3.3
26	181839064861	6.0	11.25	8.1
27	181839068432	11.0	12.0	11.4
28	181839067566	4.0	13.75	7.9
29	181539071041	1.0	0.0	0.6
30	21129045597	5.0	13.25	8.3
31	191439071075	2.5	6.25	4.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et Simulation des Machines Electriques / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	7.0	12.5	9.2
3	2097803145	11.5	13.25	12.2
4	171739067214	5.5	0.0	3.3
5	181839068442	7.5	14.25	10.2
6	181839073593	9.5	11.75	10.4
7	181839069388	0.0	0.0	0.0
8	161639065545	5.0	12.5	8.0
9	181839071179	7.5	12.25	9.4
10	19059060528	5.0	11.25	7.5
11	171739070700	0.0	0.0	0.0
12	181839072969	6.0	10.25	7.7
13	181839071133	0.0	0.0	0.0
14	181839064907	2.0	11.5	5.8
15	181839064580	11.5	13.25	12.2
16	21079077078	5.0	15.75	9.3
17	181839064432	7.0	12.25	9.1
18	181839071570	0.0	0.0	0.0
19	181839066645	5.5	11.25	7.8
20	21119042267	2.0	11.0	5.6
21	171739073751	9.0	12.25	10.3
22	181839068340	4.0	12.0	7.2
23	181839067900	4.0	12.5	7.4
24	181839067531	0.0	0.0	0.0
25	181839069897	4.5	13.5	8.1
26	181839070744	5.0	10.25	7.1
27	171739080780	9.0	13.25	10.7
28	181839072203	6.0	12.75	8.7
29	161639075779	6.5	14.0	9.5
30	181839067553	5.5	12.25	8.2
31	21129049959	9.5	15.0	11.7
32	161539064956	0.0	0.0	0.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et Simulation des Machines Electriques / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	11.0	13.5	12.0
2	181839054116	14.0	15.75	14.7
3	181839067534	13.5	13.75	13.6
4	161639071405	5.0	0.0	3.0
5	181839064582	5.5	12.5	8.3
6	181839073003	8.0	14.5	10.6
7	171739068212	3.0	6.0	4.2
8	181839073618	5.0	11.25	7.5
9	21119045011	1.5	12.0	5.7
10	181839065350	0.0	0.0	0.0
11	181839065614	1.0	11.0	5.0
12	181839068360	8.5	13.0	10.3
13	171739074190	0.0	0.0	0.0
14	171739071373	3.0	10.75	6.1
15	181839067903	6.5	12.0	8.7
16	181839064519	3.0	12.25	6.7
17	171739065374	0.0	0.0	0.0
18	181839069898	7.5	12.25	9.4
19	171739081369	0.0	0.0	0.0
20	181839069416	6.0	13.25	8.9
21	181839071134	8.5	12.5	10.1
22	181839072329	3.0	12.0	6.6
23	181839070855	6.0	12.5	8.6
24	161639084054	4.5	12.25	7.6
25	181839071587	5.0	11.25	7.5
26	181539083230	8.0	14.75	10.7
27	181839067419	7.5	12.25	9.4
28	181839071386	11.0	12.25	11.5
29	211539065167	8.5	13.25	10.4
30	16129053664	0.0	0.0	0.0
31	21099043186	4.0	12.25	7.3

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Modélisation et Simulation des Machines Electriques / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	9.0	11.75	10.1
2	181839073004	3.5	10.25	6.2
3	181839067535	12.5	13.5	12.9
4	181839068467	9.5	13.0	10.9
5	181839072913	0.0	0.0	0.0
6	181839067424	6.0	11.5	8.2
7	171739074198	3.5	10.75	6.4
8	181839065364	0.0	0.0	0.0
9	181839068378	0.0	0.0	0.0
10	171739081410	11.5	13.5	12.3
11	181839065616	7.0	11.25	8.7
12	161639051662	11.0	15.25	12.7
13	161639071445	0.0	0.0	0.0
14	161639084240	5.0	12.25	7.9
15	181839080094	0.0	0.0	0.0
16	181839071412	5.0	10.25	7.1
17	181839064014	8.5	13.5	10.5
18	171739065514	9.0	14.75	11.3
19	181839064523	4.5	0.0	2.7
20	181839071599	3.0	10.25	5.9
21	181839069437	0.0	0.0	0.0
22	171739071884	5.5	12.0	8.1
23	21119045488	10.0	15.0	12.0
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	3.0	6.0	4.2
27	181839071137	6.5	10.5	8.1
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Réseaux Electriques Industriels / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	10.5	0.0	10.5
2	21119045596	8.0	0.0	8.0
3	171739074240	0.0	0.0	0.0
4	181839073019	16.0	0.0	16.0
5	20089051962	10.0	0.0	10.0
6	181839072953	14.5	0.0	14.5
7	171739066600	17.5	0.0	17.5
8	181839068972	12.0	0.0	12.0
9	181839069445	13.5	0.0	13.5
10	21039049545	13.5	0.0	13.5
11	181839070589	13.0	0.0	13.0
12	181839071606	11.5	0.0	11.5
13	171731002915	7.5	0.0	7.5
14	181839067427	19.0	0.0	19.0
15	181839067547	17.0	0.0	17.0
16	181839064850	0.0	0.0	0.0
17	181839071138	11.0	0.0	11.0
18	161639072568	12.5	0.0	12.5
19	171739069739	9.5	0.0	9.5
20	181839068214	11.0	0.0	11.0
21	171739081794	11.0	0.0	11.0
22	161639057016	12.0	0.0	12.0
23	181839064390	8.0	0.0	8.0
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	11.0	0.0	11.0
27	181839065637	0.0	0.0	0.0
28	181839068383	4.0	0.0	4.0
29	171739072700	0.0	0.0	0.0
30	191539070554	5.0	0.0	5.0
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Réseaux Electriques Industriels / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	0.0	0.0
2	181539070639	0.0	0.0	0.0
3	181839069378	9.0	0.0	9.0
4	181839072959	13.5	0.0	13.5
5	181839064851	12.0	0.0	12.0
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	10.0	0.0	10.0
9	181839071634	0.0	0.0	0.0
10	21922002029	17.5	0.0	17.5
11	21921002029	16.5	0.0	16.5
12	181839068254	11.0	0.0	11.0
13	161639065290	9.0	0.0	9.0
14	21119047942	10.5	0.0	10.5
15	181839071141	10.0	0.0	10.0
16	181839070598	11.5	0.0	11.5
17	171739076237	12.0	0.0	12.0
18	181839064400	7.0	0.0	7.0
19	181839065591	15.0	0.0	15.0
20	21901032026	13.0	0.0	13.0
21	181839071500	12.0	0.0	12.0
22	171739074278	10.0	0.0	10.0
23	171739066641	10.0	0.0	10.0
24	181839071099	8.0	0.0	8.0
25	171739073695	9.0	0.0	9.0
26	181839068427	0.0	0.0	0.0
27	171739070637	12.5	0.0	12.5
28	181839067461	12.0	0.0	12.0
29	181839067551	14.0	0.0	14.0
30	171734048443	14.0	0.0	14.0
31	181839064561	12.0	0.0	12.0
32	181839066388	14.5	0.0	14.5
33	16049055859	16.0	0.0	16.0
34	21099040497	17.0	0.0	17.0
35	191439060833	14.0	0.0	14.0
36	1699929159	15.5	0.0	15.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Réseaux Electriques Industriels / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	14.5	0.0	14.5
2	181839072968	14.0	0.0	14.0
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	14.0	0.0	14.0
6	181839064406	12.5	0.0	12.5
7	181839064568	9.0	0.0	9.0
8	171739055009	0.0	0.0	0.0
9	181839065602	11.0	0.0	11.0
10	21059058637	14.5	0.0	14.5
11	161639073089	12.0	0.0	12.0
12	181839067498	10.5	0.0	10.5
13	181839066549	9.0	0.0	9.0
14	181839070717	13.0	0.0	13.0
15	181839071507	13.5	0.0	13.5
16	171839079960	10.5	0.0	10.5
17	181839069773	13.5	0.0	13.5
18	171739070666	11.5	0.0	11.5
19	181839071159	11.0	0.0	11.0
20	181839071111	12.5	0.0	12.5
21	171739073744	13.5	0.0	13.5
22	181839068311	14.0	0.0	14.0
23	181839069384	0.0	0.0	0.0
24	181839071636	12.0	0.0	12.0
25	19119035122	11.0	0.0	11.0
26	181839064861	11.5	0.0	11.5
27	181839068432	12.5	0.0	12.5
28	181839067566	13.5	0.0	13.5
29	181539071041	14.0	0.0	14.0
30	21129045597	16.5	0.0	16.5
31	191439071075	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Réseaux Electriques Industriels / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	12.5	0.0	12.5
3	2097803145	13.0	0.0	13.0
4	171739067214	7.5	0.0	7.5
5	181839068442	9.0	0.0	9.0
6	181839073593	10.5	0.0	10.5
7	181839069388	0.0	0.0	0.0
8	161639065545	6.5	0.0	6.5
9	181839071179	11.0	0.0	11.0
10	19059060528	11.5	0.0	11.5
11	171739070700	0.0	0.0	0.0
12	181839072969	10.5	0.0	10.5
13	181839071133	0.0	0.0	0.0
14	181839064907	8.0	0.0	8.0
15	181839064580	12.0	0.0	12.0
16	21079077078	11.5	0.0	11.5
17	181839064432	9.5	0.0	9.5
18	181839071570	0.0	0.0	0.0
19	181839066645	8.0	0.0	8.0
20	21119042267	3.5	0.0	3.5
21	171739073751	10.5	0.0	10.5
22	181839068340	10.0	0.0	10.0
23	181839067900	12.5	0.0	12.5
24	181839067531	0.0	0.0	0.0
25	181839069897	7.5	0.0	7.5
26	181839070744	10.5	0.0	10.5
27	171739080780	10.0	0.0	10.0
28	181839072203	14.0	0.0	14.0
29	161639075779	11.0	0.0	11.0
30	181839067553	10.0	0.0	10.0
31	21129049959	10.0	0.0	10.0
32	161539064956	0.0	0.0	0.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: Réseaux Electriques Industriels / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	13.5	0.0	13.5
2	181839054116	20.0	0.0	20.0
3	181839067534	13.5	0.0	13.5
4	161639071405	11.0	0.0	11.0
5	181839064582	9.0	0.0	9.0
6	181839073003	10.0	0.0	10.0
7	171739068212	12.5	0.0	12.5
8	181839073618	11.5	0.0	11.5
9	21119045011	9.5	0.0	9.5
10	181839065350	0.0	0.0	0.0
11	181839065614	9.5	0.0	9.5
12	181839068360	13.5	0.0	13.5
13	171739074190	0.0	0.0	0.0
14	171739071373	10.5	0.0	10.5
15	181839067903	11.5	0.0	11.5
16	181839064519	10.0	0.0	10.0
17	171739065374	0.0	0.0	0.0
18	181839069898	10.0	0.0	10.0
19	171739081369	0.0	0.0	0.0
20	181839069416	10.0	0.0	10.0
21	181839071134	10.5	0.0	10.5
22	181839072329	12.5	0.0	12.5
23	181839070855	12.5	0.0	12.5
24	161639084054	13.0	0.0	13.0
25	181839071587	6.0	0.0	6.0
26	181539083230	12.5	0.0	12.5
27	181839067419	12.5	0.0	12.5
28	181839071386	8.0	0.0	8.0
29	211539065167	15.0	0.0	15.0
30	16129053664	0.0	0.0	0.0
31	21099043186	11.5	0.0	11.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: Réseaux Electriques Industriels / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	11.5	0.0	11.5
2	181839073004	14.0	0.0	14.0
3	181839067535	18.0	0.0	18.0
4	181839068467	13.0	0.0	13.0
5	181839072913	0.0	0.0	0.0
6	181839067424	14.5	0.0	14.5
7	171739074198	14.0	0.0	14.0
8	181839065364	0.0	0.0	0.0
9	181839068378	3.0	0.0	3.0
10	171739081410	12.0	0.0	12.0
11	181839065616	14.0	0.0	14.0
12	161639051662	12.0	0.0	12.0
13	161639071445	0.0	0.0	0.0
14	161639084240	17.0	0.0	17.0
15	181839080094	0.0	0.0	0.0
16	181839071412	12.5	0.0	12.5
17	181839064014	15.0	0.0	15.0
18	171739065514	10.0	0.0	10.0
19	181839064523	8.0	0.0	8.0
20	181839071599	0.0	0.0	0.0
21	181839069437	0.0	0.0	0.0
22	171739071884	11.0	0.0	11.0
23	21119045488	12.0	0.0	12.0
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	11.0	0.0	11.0
27	181839071137	4.0	0.0	4.0
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Electronique de Puissance Avancée / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	0.0	16.0	16.0
2	21119045596	0.0	0.0	0.0
3	171739074240	0.0	0.0	0.0
4	181839073019	0.0	14.0	14.0
5	20089051962	0.0	13.0	13.0
6	181839072953	0.0	12.5	12.5
7	171739066600	0.0	13.0	13.0
8	181839068972	0.0	10.0	10.0
9	181839069445	0.0	10.0	10.0
10	21039049545	0.0	13.5	13.5
11	181839070589	0.0	11.5	11.5
12	181839071606	0.0	11.0	11.0
13	171731002915	0.0	16.0	16.0
14	181839067427	0.0	16.5	16.5
15	181839067547	0.0	10.0	10.0
16	181839064850	0.0	13.0	13.0
17	181839071138	0.0	12.0	12.0
18	161639072568	0.0	11.0	11.0
19	171739069739	0.0	13.5	13.5
20	181839068214	0.0	13.0	13.0
21	171739081794	0.0	12.5	12.5
22	161639057016	0.0	12.0	12.0
23	181839064390	0.0	12.0	12.0
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	0.0	16.0	16.0
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	0.0	0.0	0.0
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Electronique de Puissance Avancée / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	11.0	11.0
2	181539070639	0.0	0.0	0.0
3	181839069378	0.0	11.0	11.0
4	181839072959	0.0	14.0	14.0
5	181839064851	0.0	11.5	11.5
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	0.0	10.0	10.0
9	181839071634	0.0	0.0	0.0
10	21922002029	0.0	14.5	14.5
11	21921002029	0.0	14.5	14.5
12	181839068254	0.0	12.5	12.5
13	161639065290	0.0	0.0	0.0
14	21119047942	0.0	10.0	10.0
15	181839071141	0.0	12.0	12.0
16	181839070598	0.0	10.0	10.0
17	171739076237	0.0	12.5	12.5
18	181839064400	0.0	0.0	0.0
19	181839065591	0.0	10.0	10.0
20	21901032026	0.0	14.5	14.5
21	181839071500	0.0	11.0	11.0
22	171739074278	0.0	11.0	11.0
23	171739066641	0.0	13.0	13.0
24	181839071099	0.0	12.0	12.0
25	171739073695	0.0	12.0	12.0
26	181839068427	0.0	0.0	0.0
27	171739070637	0.0	13.0	13.0
28	181839067461	0.0	10.0	10.0
29	181839067551	0.0	10.0	10.0
30	171734048443	0.0	13.0	13.0
31	181839064561	0.0	13.0	13.0
32	181839066388	0.0	18.0	18.0
33	16049055859	0.0	14.5	14.5
34	21099040497	0.0	13.0	13.0
35	191439060833	0.0	10.0	10.0
36	1699929159	0.0	14.5	14.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Electronique de Puissance Avancée / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	0.0	14.0	14.0
2	181839072968	0.0	12.0	12.0
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	0.0	11.5	11.5
6	181839064406	0.0	12.0	12.0
7	181839064568	0.0	13.0	13.0
8	171739055009	0.0	0.0	0.0
9	181839065602	0.0	10.0	10.0
10	21059058637	0.0	10.0	10.0
11	161639073089	0.0	11.5	11.5
12	181839067498	0.0	10.0	10.0
13	181839066549	0.0	12.5	12.5
14	181839070717	0.0	11.0	11.0
15	181839071507	0.0	11.0	11.0
16	171839079960	0.0	12.0	12.0
17	181839069773	0.0	10.0	10.0
18	171739070666	0.0	13.5	13.5
19	181839071159	0.0	12.0	12.0
20	181839071111	0.0	12.0	12.0
21	171739073744	0.0	13.0	13.0
22	181839068311	0.0	13.5	13.5
23	181839069384	0.0	0.0	0.0
24	181839071636	0.0	11.0	11.0
25	19119035122	0.0	0.0	0.0
26	181839064861	0.0	11.5	11.5
27	181839068432	0.0	12.5	12.5
28	181839067566	0.0	10.0	10.0
29	181539071041	0.0	0.0	0.0
30	21129045597	0.0	15.0	15.0
31	191439071075	0.0	12.0	12.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Electronique de Puissance Avancée / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	0.0	13.0	13.0
3	2097803145	0.0	14.5	14.5
4	171739067214	0.0	10.0	10.0
5	181839068442	0.0	11.5	11.5
6	181839073593	0.0	13.5	13.5
7	181839069388	0.0	0.0	0.0
8	161639065545	0.0	12.0	12.0
9	181839071179	0.0	12.0	12.0
10	19059060528	0.0	0.0	0.0
11	171739070700	0.0	13.5	13.5
12	181839072969	0.0	11.0	11.0
13	181839071133	0.0	0.0	0.0
14	181839064907	0.0	14.5	14.5
15	181839064580	0.0	13.0	13.0
16	21079077078	0.0	13.5	13.5
17	181839064432	0.0	15.0	15.0
18	181839071570	0.0	0.0	0.0
19	181839066645	0.0	12.5	12.5
20	21119042267	0.0	0.0	0.0
21	171739073751	0.0	12.0	12.0
22	181839068340	0.0	11.0	11.0
23	181839067900	0.0	10.0	10.0
24	181839067531	0.0	0.0	0.0
25	181839069897	0.0	12.5	12.5
26	181839070744	0.0	11.0	11.0
27	171739080780	0.0	10.0	10.0
28	181839072203	0.0	11.0	11.0
29	161639075779	0.0	12.0	12.0
30	181839067553	0.0	10.0	10.0
31	21129049959	0.0	13.5	13.5
32	161539064956	0.0	14.0	14.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Electronique de Puissance Avancée / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	0.0	11.5	11.5
2	181839054116	0.0	16.5	16.5
3	181839067534	0.0	16.5	16.5
4	161639071405	0.0	10.0	10.0
5	181839064582	0.0	13.0	13.0
6	181839073003	0.0	14.0	14.0
7	171739068212	0.0	11.0	11.0
8	181839073618	0.0	14.0	14.0
9	21119045011	0.0	0.0	0.0
10	181839065350	0.0	0.0	0.0
11	181839065614	0.0	0.0	0.0
12	181839068360	0.0	11.5	11.5
13	171739074190	0.0	0.0	0.0
14	171739071373	0.0	10.5	10.5
15	181839067903	0.0	10.0	10.0
16	181839064519	0.0	12.0	12.0
17	171739065374	0.0	14.0	14.0
18	181839069898	0.0	12.5	12.5
19	171739081369	0.0	0.0	0.0
20	181839069416	0.0	11.0	11.0
21	181839071134	0.0	12.0	12.0
22	181839072329	0.0	11.0	11.0
23	181839070855	0.0	11.5	11.5
24	161639084054	0.0	10.0	10.0
25	181839071587	0.0	0.0	0.0
26	181539083230	0.0	14.5	14.5
27	181839067419	0.0	16.5	16.5
28	181839071386	0.0	0.0	0.0
29	211539065167	0.0	14.0	14.0
30	16129053664	0.0	0.0	0.0
31	21099043186	0.0	13.5	13.5

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Electronique de Puissance Avancée / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	0.0	12.0	12.0
2	181839073004	0.0	11.0	11.0
3	181839067535	0.0	16.5	16.5
4	181839068467	0.0	15.0	15.0
5	181839072913	0.0	11.0	11.0
6	181839067424	0.0	0.0	0.0
7	171739074198	0.0	11.0	11.0
8	181839065364	0.0	0.0	0.0
9	181839068378	0.0	0.0	0.0
10	171739081410	0.0	13.0	13.0
11	181839065616	0.0	15.0	15.0
12	161639051662	0.0	14.0	14.0
13	161639071445	0.0	14.0	14.0
14	161639084240	0.0	10.0	10.0
15	181839080094	0.0	0.0	0.0
16	181839071412	0.0	13.0	13.0
17	181839064014	0.0	14.0	14.0
18	171739065514	0.0	12.0	12.0
19	181839064523	0.0	12.0	12.0
20	181839071599	0.0	11.0	11.0
21	181839069437	0.0	0.0	0.0
22	171739071884	0.0	11.0	11.0
23	21119045488	0.0	12.5	12.5
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	0.0	11.0	11.0
27	181839071137	0.0	13.0	13.0
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Machines Hydrauliques et Pneumatiques / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	0.0	16.0	16.0
2	21119045596	0.0	16.0	16.0
3	171739074240	0.0	0.0	0.0
4	181839073019	0.0	16.0	16.0
5	20089051962	0.0	15.0	15.0
6	181839072953	0.0	15.0	15.0
7	171739066600	0.0	16.0	16.0
8	181839068972	0.0	14.0	14.0
9	181839069445	0.0	14.0	14.0
10	21039049545	0.0	14.0	14.0
11	181839070589	0.0	14.0	14.0
12	181839071606	0.0	16.0	16.0
13	171731002915	0.0	16.0	16.0
14	181839067427	0.0	16.0	16.0
15	181839067547	0.0	15.0	15.0
16	181839064850	0.0	16.0	16.0
17	181839071138	0.0	12.0	12.0
18	161639072568	0.0	17.0	17.0
19	171739069739	0.0	15.0	15.0
20	181839068214	0.0	13.0	13.0
21	171739081794	0.0	15.0	15.0
22	161639057016	0.0	14.0	14.0
23	181839064390	0.0	12.0	12.0
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	0.0	16.0	16.0
27	181839065637	0.0	16.0	16.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	0.0	17.0	17.0
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Machines Hydrauliques et Pneumatiques / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	13.0	13.0
2	181539070639	0.0	0.0	0.0
3	181839069378	0.0	13.5	13.5
4	181839072959	0.0	13.0	13.0
5	181839064851	0.0	18.0	18.0
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	0.0	14.0	14.0
9	181839071634	0.0	0.0	0.0
10	21922002029	0.0	15.0	15.0
11	21921002029	0.0	15.0	15.0
12	181839068254	0.0	13.5	13.5
13	161639065290	0.0	16.0	16.0
14	21119047942	0.0	13.5	13.5
15	181839071141	0.0	13.5	13.5
16	181839070598	0.0	14.0	14.0
17	171739076237	0.0	15.0	15.0
18	181839064400	0.0	14.0	14.0
19	181839065591	0.0	13.0	13.0
20	21901032026	0.0	15.0	15.0
21	181839071500	0.0	17.0	17.0
22	171739074278	0.0	17.0	17.0
23	171739066641	0.0	13.5	13.5
24	181839071099	0.0	13.5	13.5
25	171739073695	0.0	13.5	13.5
26	181839068427	0.0	0.0	0.0
27	171739070637	0.0	13.0	13.0
28	181839067461	0.0	14.0	14.0
29	181839067551	0.0	14.0	14.0
30	171734048443	0.0	14.0	14.0
31	181839064561	0.0	14.0	14.0
32	181839066388	0.0	15.0	15.0
33	16049055859	0.0	15.0	15.0
34	21099040497	0.0	14.0	14.0
35	191439060833	0.0	13.0	13.0
36	1699929159	0.0	15.0	15.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Machines Hydrauliques et Pneumatiques / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	0.0	13.0	13.0
2	181839072968	0.0	13.0	13.0
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	0.0	16.0	16.0
6	181839064406	0.0	14.0	14.0
7	181839064568	0.0	14.0	14.0
8	171739055009	0.0	0.0	0.0
9	181839065602	0.0	13.0	13.0
10	21059058637	0.0	14.0	14.0
11	161639073089	0.0	18.0	18.0
12	181839067498	0.0	15.0	15.0
13	181839066549	0.0	13.5	13.5
14	181839070717	0.0	13.0	13.0
15	181839071507	0.0	14.0	14.0
16	171839079960	0.0	0.0	0.0
17	181839069773	0.0	16.0	16.0
18	171739070666	0.0	14.0	14.0
19	181839071159	0.0	13.0	13.0
20	181839071111	0.0	13.0	13.0
21	171739073744	0.0	13.0	13.0
22	181839068311	0.0	14.0	14.0
23	181839069384	0.0	0.0	0.0
24	181839071636	0.0	12.0	12.0
25	19119035122	0.0	0.0	0.0
26	181839064861	0.0	18.0	18.0
27	181839068432	0.0	14.0	14.0
28	181839067566	0.0	15.0	15.0
29	181539071041	0.0	16.0	16.0
30	21129045597	0.0	14.0	14.0
31	191439071075	0.0	16.0	16.0

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Machines Hydrauliques et Pneumatiques / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	0.0	13.5	13.5
3	2097803145	0.0	15.0	15.0
4	171739067214	0.0	12.0	12.0
5	181839068442	0.0	14.0	14.0
6	181839073593	0.0	14.0	14.0
7	181839069388	0.0	0.0	0.0
8	161639065545	0.0	15.0	15.0
9	181839071179	0.0	13.0	13.0
10	19059060528	0.0	14.0	14.0
11	171739070700	0.0	14.0	14.0
12	181839072969	0.0	14.0	14.0
13	181839071133	0.0	0.0	0.0
14	181839064907	0.0	15.0	15.0
15	181839064580	0.0	14.0	14.0
16	21079077078	0.0	14.0	14.0
17	181839064432	0.0	13.5	13.5
18	181839071570	0.0	0.0	0.0
19	181839066645	0.0	13.5	13.5
20	21119042267	0.0	13.0	13.0
21	171739073751	0.0	16.0	16.0
22	181839068340	0.0	14.0	14.0
23	181839067900	0.0	12.0	12.0
24	181839067531	0.0	0.0	0.0
25	181839069897	0.0	15.0	15.0
26	181839070744	0.0	14.5	14.5
27	171739080780	0.0	12.0	12.0
28	181839072203	0.0	16.0	16.0
29	161639075779	0.0	16.0	16.0
30	181839067553	0.0	14.0	14.0
31	21129049959	0.0	15.0	15.0
32	161539064956	0.0	15.0	15.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Machines Hydrauliques et Pneumatiques / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	0.0	13.0	13.0
2	181839054116	0.0	16.0	16.0
3	181839067534	0.0	16.0	16.0
4	161639071405	0.0	12.0	12.0
5	181839064582	0.0	14.0	14.0
6	181839073003	0.0	14.0	14.0
7	171739068212	0.0	14.0	14.0
8	181839073618	0.0	12.5	12.5
9	21119045011	0.0	0.0	0.0
10	181839065350	0.0	0.0	0.0
11	181839065614	0.0	12.5	12.5
12	181839068360	0.0	13.0	13.0
13	171739074190	0.0	0.0	0.0
14	171739071373	0.0	16.0	16.0
15	181839067903	0.0	12.0	12.0
16	181839064519	0.0	15.0	15.0
17	171739065374	0.0	13.0	13.0
18	181839069898	0.0	16.0	16.0
19	171739081369	0.0	0.0	0.0
20	181839069416	0.0	14.0	14.0
21	181839071134	0.0	14.0	14.0
22	181839072329	0.0	15.0	15.0
23	181839070855	0.0	14.0	14.0
24	161639084054	0.0	12.0	12.0
25	181839071587	0.0	14.5	14.5
26	181539083230	0.0	15.0	15.0
27	181839067419	0.0	16.0	16.0
28	181839071386	0.0	14.5	14.5
29	211539065167	0.0	15.0	15.0
30	16129053664	0.0	0.0	0.0
31	21099043186	0.0	15.0	15.0

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Filière: Electromécanique
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Niveau:

Matière: TP Machines Hydrauliques et Pneumatiques / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	0.0	12.0	12.0
2	181839073004	0.0	15.0	15.0
3	181839067535	0.0	16.0	16.0
4	181839068467	0.0	15.0	15.0
5	181839072913	0.0	15.0	15.0
6	181839067424	0.0	13.5	13.5
7	171739074198	0.0	12.0	12.0
8	181839065364	0.0	0.0	0.0
9	181839068378	0.0	0.0	0.0
10	171739081410	0.0	13.5	13.5
11	181839065616	0.0	15.0	15.0
12	161639051662	0.0	15.0	15.0
13	161639071445	0.0	0.0	0.0
14	161639084240	0.0	0.0	0.0
15	181839080094	0.0	0.0	0.0
16	181839071412	0.0	16.0	16.0
17	181839064014	0.0	14.0	14.0
18	171739065514	0.0	14.0	14.0
19	181839064523	0.0	15.0	15.0
20	181839071599	0.0	16.0	16.0
21	181839069437	0.0	0.0	0.0
22	171739071884	0.0	14.0	14.0
23	21119045488	0.0	14.0	14.0
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	0.0	12.0	12.0
27	181839071137	0.0	16.0	16.0
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Mécanismes Industriels et Transmission de Puissance / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	0.0	11.0	11.0
2	21119045596	0.0	12.0	12.0
3	171739074240	0.0	0.0	0.0
4	181839073019	0.0	12.0	12.0
5	20089051962	0.0	11.5	11.5
6	181839072953	0.0	11.0	11.0
7	171739066600	0.0	15.0	15.0
8	181839068972	0.0	10.0	10.0
9	181839069445	0.0	10.0	10.0
10	21039049545	0.0	12.0	12.0
11	181839070589	0.0	11.0	11.0
12	181839071606	0.0	12.0	12.0
13	171731002915	0.0	12.0	12.0
14	181839067427	0.0	17.0	17.0
15	181839067547	0.0	13.5	13.5
16	181839064850	0.0	11.5	11.5
17	181839071138	0.0	15.0	15.0
18	161639072568	0.0	13.5	13.5
19	171739069739	0.0	10.0	10.0
20	181839068214	0.0	12.0	12.0
21	171739081794	0.0	13.5	13.5
22	161639057016	0.0	10.0	10.0
23	181839064390	0.0	15.0	15.0
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	0.0	13.5	13.5
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	0.0	0.0	0.0
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

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2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Mécanismes Industriels et Transmission de Puissance / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	14.0	14.0
2	181539070639	0.0	0.0	0.0
3	181839069378	0.0	12.5	12.5
4	181839072959	0.0	14.0	14.0
5	181839064851	0.0	10.0	10.0
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	0.0	11.5	11.5
9	181839071634	0.0	0.0	0.0
10	21922002029	0.0	20.0	20.0
11	21921002029	0.0	20.0	20.0
12	181839068254	0.0	15.0	15.0
13	161639065290	0.0	12.5	12.5
14	21119047942	0.0	12.5	12.5
15	181839071141	0.0	13.5	13.5
16	181839070598	0.0	0.0	0.0
17	171739076237	0.0	12.0	12.0
18	181839064400	0.0	0.0	0.0
19	181839065591	0.0	13.5	13.5
20	21901032026	0.0	20.0	20.0
21	181839071500	0.0	14.0	14.0
22	171739074278	0.0	10.0	10.0
23	171739066641	0.0	10.0	10.0
24	181839071099	0.0	10.0	10.0
25	171739073695	0.0	10.0	10.0
26	181839068427	0.0	0.0	0.0
27	171739070637	0.0	12.0	12.0
28	181839067461	0.0	11.0	11.0
29	181839067551	0.0	11.5	11.5
30	171734048443	0.0	15.0	15.0
31	181839064561	0.0	13.5	13.5
32	181839066388	0.0	14.0	14.0
33	16049055859	0.0	20.0	20.0
34	21099040497	0.0	14.5	14.5
35	191439060833	0.0	12.0	12.0
36	1699929159	0.0	20.0	20.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Mécanismes Industriels et Transmission de Puissance / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	0.0	14.0	14.0
2	181839072968	0.0	12.0	12.0
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	0.0	13.5	13.5
6	181839064406	0.0	14.0	14.0
7	181839064568	0.0	12.0	12.0
8	171739055009	0.0	0.0	0.0
9	181839065602	0.0	12.0	12.0
10	21059058637	0.0	0.0	0.0
11	161639073089	0.0	12.0	12.0
12	181839067498	0.0	12.0	12.0
13	181839066549	0.0	14.0	14.0
14	181839070717	0.0	12.9	12.9
15	181839071507	0.0	13.0	13.0
16	171839079960	0.0	13.5	13.5
17	181839069773	0.0	12.0	12.0
18	171739070666	0.0	13.5	13.5
19	181839071159	0.0	13.5	13.5
20	181839071111	0.0	13.5	13.5
21	171739073744	0.0	13.5	13.5
22	181839068311	0.0	13.5	13.5
23	181839069384	0.0	0.0	0.0
24	181839071636	0.0	13.5	13.5
25	19119035122	0.0	0.0	0.0
26	181839064861	0.0	12.0	12.0
27	181839068432	0.0	11.0	11.0
28	181839067566	0.0	14.0	14.0
29	181539071041	0.0	0.0	0.0
30	21129045597	0.0	0.0	0.0
31	191439071075	0.0	0.0	0.0

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Mécanismes Industriels et Transmission de Puissance / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	0.0	0.0	0.0
3	2097803145	0.0	17.0	17.0
4	171739067214	0.0	0.0	0.0
5	181839068442	0.0	14.0	14.0
6	181839073593	0.0	18.0	18.0
7	181839069388	0.0	0.0	0.0
8	161639065545	0.0	17.0	17.0
9	181839071179	0.0	13.5	13.5
10	19059060528	0.0	14.0	14.0
11	171739070700	0.0	11.5	11.5
12	181839072969	0.0	14.0	14.0
13	181839071133	0.0	0.0	0.0
14	181839064907	0.0	17.0	17.0
15	181839064580	0.0	12.0	12.0
16	21079077078	0.0	12.0	12.0
17	181839064432	0.0	14.0	14.0
18	181839071570	0.0	0.0	0.0
19	181839066645	0.0	17.0	17.0
20	21119042267	0.0	12.0	12.0
21	171739073751	0.0	12.0	12.0
22	181839068340	0.0	0.0	0.0
23	181839067900	0.0	11.5	11.5
24	181839067531	0.0	0.0	0.0
25	181839069897	0.0	17.0	17.0
26	181839070744	0.0	14.0	14.0
27	171739080780	0.0	11.0	11.0
28	181839072203	0.0	14.0	14.0
29	161639075779	0.0	12.5	12.5
30	181839067553	0.0	12.5	12.5
31	21129049959	0.0	17.0	17.0
32	161539064956	0.0	12.0	12.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Mécanismes Industriels et Transmission de Puissance / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	0.0	12.5	12.5
2	181839054116	0.0	17.0	17.0
3	181839067534	0.0	17.0	17.0
4	161639071405	0.0	12.0	12.0
5	181839064582	0.0	8.0	8.0
6	181839073003	0.0	12.0	12.0
7	171739068212	0.0	12.0	12.0
8	181839073618	0.0	11.0	11.0
9	21119045011	0.0	11.0	11.0
10	181839065350	0.0	0.0	0.0
11	181839065614	0.0	5.0	5.0
12	181839068360	0.0	12.0	12.0
13	171739074190	0.0	0.0	0.0
14	171739071373	0.0	14.0	14.0
15	181839067903	0.0	11.0	11.0
16	181839064519	0.0	14.5	14.5
17	171739065374	0.0	12.5	12.5
18	181839069898	0.0	16.0	16.0
19	171739081369	0.0	0.0	0.0
20	181839069416	0.0	15.0	15.0
21	181839071134	0.0	16.0	16.0
22	181839072329	0.0	12.0	12.0
23	181839070855	0.0	10.0	10.0
24	161639084054	0.0	12.0	12.0
25	181839071587	0.0	12.0	12.0
26	181539083230	0.0	16.0	16.0
27	181839067419	0.0	16.5	16.5
28	181839071386	0.0	15.5	15.5
29	211539065167	0.0	14.0	14.0
30	16129053664	0.0	0.0	0.0
31	21099043186	0.0	13.0	13.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Mécanismes Industriels et Transmission de Puissance / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	0.0	13.5	13.5
2	181839073004	0.0	11.0	11.0
3	181839067535	0.0	17.0	17.0
4	181839068467	0.0	12.5	12.5
5	181839072913	0.0	0.0	0.0
6	181839067424	0.0	12.0	12.0
7	171739074198	0.0	13.5	13.5
8	181839065364	0.0	0.0	0.0
9	181839068378	0.0	0.0	0.0
10	171739081410	0.0	8.0	8.0
11	181839065616	0.0	13.5	13.5
12	161639051662	0.0	13.5	13.5
13	161639071445	0.0	10.0	10.0
14	161639084240	0.0	12.5	12.5
15	181839080094	0.0	0.0	0.0
16	181839071412	0.0	12.5	12.5
17	181839064014	0.0	13.0	13.0
18	171739065514	0.0	12.0	12.0
19	181839064523	0.0	14.0	14.0
20	181839071599	0.0	13.5	13.5
21	181839069437	0.0	0.0	0.0
22	171739071884	0.0	13.5	13.5
23	21119045488	0.0	14.0	14.0
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	0.0	12.0	12.0
27	181839071137	0.0	14.5	14.5
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	11.5	11.5
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et Simulation des Machines Electriques / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	0.0	19.0	19.0
2	21119045596	0.0	0.0	0.0
3	171739074240	0.0	0.0	0.0
4	181839073019	0.0	19.0	19.0
5	20089051962	0.0	10.0	10.0
6	181839072953	0.0	18.0	18.0
7	171739066600	0.0	8.0	8.0
8	181839068972	0.0	18.0	18.0
9	181839069445	0.0	18.0	18.0
10	21039049545	0.0	19.0	19.0
11	181839070589	0.0	18.0	18.0
12	181839071606	0.0	16.0	16.0
13	171731002915	0.0	19.0	19.0
14	181839067427	0.0	18.0	18.0
15	181839067547	0.0	14.0	14.0
16	181839064850	0.0	8.0	8.0
17	181839071138	0.0	14.0	14.0
18	161639072568	0.0	18.0	18.0
19	171739069739	0.0	18.0	18.0
20	181839068214	0.0	14.0	14.0
21	171739081794	0.0	18.0	18.0
22	161639057016	0.0	19.0	19.0
23	181839064390	0.0	0.0	0.0
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	0.0	19.0	19.0
27	181839065637	0.0	0.0	0.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	0.0	0.0	0.0
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et Simulation des Machines Electriques / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	0.0	0.0
2	181539070639	0.0	0.0	0.0
3	181839069378	0.0	18.0	18.0
4	181839072959	0.0	16.0	16.0
5	181839064851	0.0	18.0	18.0
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	0.0	18.0	18.0
9	181839071634	0.0	0.0	0.0
10	21922002029	0.0	18.0	18.0
11	21921002029	0.0	18.0	18.0
12	181839068254	0.0	17.0	17.0
13	161639065290	0.0	11.25	11.25
14	21119047942	0.0	12.0	12.0
15	181839071141	0.0	10.0	10.0
16	181839070598	0.0	18.0	18.0
17	171739076237	0.0	18.0	18.0
18	181839064400	0.0	0.0	0.0
19	181839065591	0.0	0.0	0.0
20	21901032026	0.0	18.0	18.0
21	181839071500	0.0	10.0	10.0
22	171739074278	0.0	10.0	10.0
23	171739066641	0.0	12.0	12.0
24	181839071099	0.0	18.0	18.0
25	171739073695	0.0	10.0	10.0
26	181839068427	0.0	0.0	0.0
27	171739070637	0.0	14.0	14.0
28	181839067461	0.0	17.0	17.0
29	181839067551	0.0	17.0	17.0
30	171734048443	0.0	8.0	8.0
31	181839064561	0.0	19.0	19.0
32	181839066388	0.0	14.0	14.0
33	16049055859	0.0	18.0	18.0
34	21099040497	0.0	19.0	19.0
35	191439060833	0.0	16.0	16.0
36	1699929159	0.0	18.0	18.0

Signature de l'enseignant:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et Simulation des Machines Electriques / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	0.0	18.0	18.0
2	181839072968	0.0	0.0	0.0
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	0.0	18.0	18.0
6	181839064406	0.0	0.0	0.0
7	181839064568	0.0	0.0	0.0
8	171739055009	0.0	0.0	0.0
9	181839065602	0.0	16.0	16.0
10	21059058637	0.0	12.0	12.0
11	161639073089	0.0	18.0	18.0
12	181839067498	0.0	17.0	17.0
13	181839066549	0.0	18.0	18.0
14	181839070717	0.0	18.0	18.0
15	181839071507	0.0	17.0	17.0
16	171839079960	0.0	18.0	18.0
17	181839069773	0.0	12.0	12.0
18	171739070666	0.0	17.0	17.0
19	181839071159	0.0	15.0	15.0
20	181839071111	0.0	15.0	15.0
21	171739073744	0.0	15.0	15.0
22	181839068311	0.0	17.0	17.0
23	181839069384	0.0	0.0	0.0
24	181839071636	0.0	10.0	10.0
25	19119035122	0.0	16.0	16.0
26	181839064861	0.0	18.0	18.0
27	181839068432	0.0	15.0	15.0
28	181839067566	0.0	18.0	18.0
29	181539071041	0.0	0.0	0.0
30	21129045597	0.0	18.0	18.0
31	191439071075	0.0	15.0	15.0

Signature de l'enseignant:

Le:

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Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et Simulation des Machines Electriques / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	0.0	0.0
2	171739064409	0.0	0.0	0.0
3	2097803145	0.0	12.0	12.0
4	171739067214	0.0	16.0	16.0
5	181839068442	0.0	15.0	15.0
6	181839073593	0.0	17.0	17.0
7	181839069388	0.0	0.0	0.0
8	161639065545	0.0	18.0	18.0
9	181839071179	0.0	14.0	14.0
10	19059060528	0.0	15.0	15.0
11	171739070700	0.0	0.0	0.0
12	181839072969	0.0	0.0	0.0
13	181839071133	0.0	0.0	0.0
14	181839064907	0.0	14.0	14.0
15	181839064580	0.0	19.0	19.0
16	21079077078	0.0	19.0	19.0
17	181839064432	0.0	19.0	19.0
18	181839071570	0.0	0.0	0.0
19	181839066645	0.0	18.0	18.0
20	21119042267	0.0	0.0	0.0
21	171739073751	0.0	18.0	18.0
22	181839068340	0.0	0.0	0.0
23	181839067900	0.0	16.0	16.0
24	181839067531	0.0	0.0	0.0
25	181839069897	0.0	12.0	12.0
26	181839070744	0.0	18.0	18.0
27	171739080780	0.0	16.0	16.0
28	181839072203	0.0	18.0	18.0
29	161639075779	0.0	18.0	18.0
30	181839067553	0.0	12.0	12.0
31	21129049959	0.0	14.0	14.0
32	161539064956	0.0	0.0	0.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et Simulation des Machines Electriques / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	0.0	15.0	15.0
2	181839054116	0.0	18.0	18.0
3	181839067534	0.0	18.0	18.0
4	161639071405	0.0	16.0	16.0
5	181839064582	0.0	0.0	0.0
6	181839073003	0.0	18.0	18.0
7	171739068212	0.0	16.0	16.0
8	181839073618	0.0	19.0	19.0
9	21119045011	0.0	0.0	0.0
10	181839065350	0.0	0.0	0.0
11	181839065614	0.0	0.0	0.0
12	181839068360	0.0	15.0	15.0
13	171739074190	0.0	0.0	0.0
14	171739071373	0.0	0.0	0.0
15	181839067903	0.0	16.0	16.0
16	181839064519	0.0	0.0	0.0
17	171739065374	0.0	9.0	9.0
18	181839069898	0.0	12.0	12.0
19	171739081369	0.0	0.0	0.0
20	181839069416	0.0	18.0	18.0
21	181839071134	0.0	10.0	10.0
22	181839072329	0.0	18.0	18.0
23	181839070855	0.0	18.0	18.0
24	161639084054	0.0	16.0	16.0
25	181839071587	0.0	16.0	16.0
26	181539083230	0.0	14.0	14.0
27	181839067419	0.0	14.0	14.0
28	181839071386	0.0	0.0	0.0
29	211539065167	0.0	17.0	17.0
30	16129053664	0.0	0.0	0.0
31	21099043186	0.0	14.0	14.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Modélisation et Simulation des Machines Electriques / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	0.0	10.0	10.0
2	181839073004	0.0	0.0	0.0
3	181839067535	0.0	14.0	14.0
4	181839068467	0.0	15.0	15.0
5	181839072913	0.0	0.0	0.0
6	181839067424	0.0	0.0	0.0
7	171739074198	0.0	10.0	10.0
8	181839065364	0.0	0.0	0.0
9	181839068378	0.0	0.0	0.0
10	171739081410	0.0	0.0	0.0
11	181839065616	0.0	19.0	19.0
12	161639051662	0.0	17.0	17.0
13	161639071445	0.0	12.5	12.5
14	161639084240	0.0	12.0	12.0
15	181839080094	0.0	0.0	0.0
16	181839071412	0.0	19.0	19.0
17	181839064014	0.0	19.0	19.0
18	171739065514	0.0	17.0	17.0
19	181839064523	0.0	0.0	0.0
20	181839071599	0.0	19.0	19.0
21	181839069437	0.0	0.0	0.0
22	171739071884	0.0	18.0	18.0
23	21119045488	0.0	15.0	15.0
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	0.0	16.0	16.0
27	181839071137	0.0	15.0	15.0
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Réseaux Electriques Industriels / Section A / 1

#	Matricule	Examen	CC	MG
1	181839071097	0.0	14.0	14.0
2	21119045596	0.0	0.0	0.0
3	171739074240	0.0	0.0	0.0
4	181839073019	0.0	16.0	16.0
5	20089051962	0.0	13.5	13.5
6	181839072953	0.0	14.0	14.0
7	171739066600	0.0	16.0	16.0
8	181839068972	0.0	15.0	15.0
9	181839069445	0.0	15.0	15.0
10	21039049545	0.0	18.0	18.0
11	181839070589	0.0	15.0	15.0
12	181839071606	0.0	14.0	14.0
13	171731002915	0.0	14.0	14.0
14	181839067427	0.0	15.5	15.5
15	181839067547	0.0	15.0	15.0
16	181839064850	0.0	16.0	16.0
17	181839071138	0.0	14.5	14.5
18	161639072568	0.0	14.5	14.5
19	171739069739	0.0	14.0	14.0
20	181839068214	0.0	14.5	14.5
21	171739081794	0.0	15.0	15.0
22	161639057016	0.0	15.0	15.0
23	181839064390	0.0	15.5	15.5
24	181839065419	0.0	0.0	0.0
25	181839071435	0.0	0.0	0.0
26	181839064560	0.0	14.0	14.0
27	181839065637	0.0	16.0	16.0
28	181839068383	0.0	0.0	0.0
29	171739072700	0.0	0.0	0.0
30	191539070554	0.0	14.5	14.5
31	211439057923	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Réseaux Electriques Industriels / Section A / 2

#	Matricule	Examen	CC	MG
1	181839073023	0.0	15.5	15.5
2	181539070639	0.0	0.0	0.0
3	181839069378	0.0	16.5	16.5
4	181839072959	0.0	15.5	15.5
5	181839064851	0.0	15.0	15.0
6	161639072569	0.0	0.0	0.0
7	171739082086	0.0	0.0	0.0
8	181839069474	0.0	14.0	14.0
9	181839071634	0.0	0.0	0.0
10	21922002029	0.0	18.0	18.0
11	21921002029	0.0	18.0	18.0
12	181839068254	0.0	16.5	16.5
13	161639065290	0.0	15.0	15.0
14	21119047942	0.0	15.0	15.0
15	181839071141	0.0	14.0	14.0
16	181839070598	0.0	14.0	14.0
17	171739076237	0.0	14.0	14.0
18	181839064400	0.0	0.0	0.0
19	181839065591	0.0	15.5	15.5
20	21901032026	0.0	18.0	18.0
21	181839071500	0.0	14.0	14.0
22	171739074278	0.0	12.0	12.0
23	171739066641	0.0	14.5	14.5
24	181839071099	0.0	14.0	14.0
25	171739073695	0.0	14.0	14.0
26	181839068427	0.0	0.0	0.0
27	171739070637	0.0	14.5	14.5
28	181839067461	0.0	15.5	15.5
29	181839067551	0.0	15.5	15.5
30	171734048443	0.0	15.5	15.5
31	181839064561	0.0	15.0	15.0
32	181839066388	0.0	19.0	19.0
33	16049055859	0.0	18.0	18.0
34	21099040497	0.0	15.0	15.0
35	191439060833	0.0	18.5	18.5
36	1699929159	0.0	18.0	18.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Réseaux Electriques Industriels / Section A / 3

#	Matricule	Examen	CC	MG
1	181839073098	0.0	15.5	15.5
2	181839072968	0.0	16.5	16.5
3	171739066729	0.0	0.0	0.0
4	171739074293	0.0	0.0	0.0
5	161639065510	0.0	14.5	14.5
6	181839064406	0.0	15.5	15.5
7	181839064568	0.0	16.0	16.0
8	171739055009	0.0	0.0	0.0
9	181839065602	0.0	15.0	15.0
10	21059058637	0.0	16.0	16.0
11	161639073089	0.0	15.0	15.0
12	181839067498	0.0	15.5	15.5
13	181839066549	0.0	14.5	14.5
14	181839070717	0.0	15.0	15.0
15	181839071507	0.0	16.0	16.0
16	171839079960	0.0	14.0	14.0
17	181839069773	0.0	16.0	16.0
18	171739070666	0.0	16.0	16.0
19	181839071159	0.0	16.5	16.5
20	181839071111	0.0	16.5	16.5
21	171739073744	0.0	16.5	16.5
22	181839068311	0.0	16.0	16.0
23	181839069384	0.0	0.0	0.0
24	181839071636	0.0	14.0	14.0
25	19119035122	0.0	0.0	0.0
26	181839064861	0.0	15.0	15.0
27	181839068432	0.0	16.0	16.0
28	181839067566	0.0	15.0	15.0
29	181539071041	0.0	14.5	14.5
30	21129045597	0.0	15.0	15.0
31	191439071075	0.0	14.5	14.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Réseaux Electriques Industriels / Section A / 4

#	Matricule	Examen	CC	MG
1	181839065611	0.0	14.5	14.5
2	171739064409	0.0	14.5	14.5
3	2097803145	0.0	18.5	18.5
4	171739067214	0.0	16.0	16.0
5	181839068442	0.0	15.0	15.0
6	181839073593	0.0	16.0	16.0
7	181839069388	0.0	0.0	0.0
8	161639065545	0.0	15.0	15.0
9	181839071179	0.0	14.5	14.5
10	19059060528	0.0	10.0	10.0
11	171739070700	0.0	13.0	13.0
12	181839072969	0.0	16.0	16.0
13	181839071133	0.0	0.0	0.0
14	181839064907	0.0	18.5	18.5
15	181839064580	0.0	15.5	15.5
16	21079077078	0.0	18.0	18.0
17	181839064432	0.0	16.0	16.0
18	181839071570	0.0	0.0	0.0
19	181839066645	0.0	14.0	14.0
20	21119042267	0.0	0.0	0.0
21	171739073751	0.0	15.0	15.0
22	181839068340	0.0	16.0	16.0
23	181839067900	0.0	16.0	16.0
24	181839067531	0.0	0.0	0.0
25	181839069897	0.0	18.5	18.5
26	181839070744	0.0	16.0	16.0
27	171739080780	0.0	16.0	16.0
28	181839072203	0.0	15.0	15.0
29	161639075779	0.0	15.0	15.0
30	181839067553	0.0	15.0	15.0
31	21129049959	0.0	15.5	15.5
32	161539064956	0.0	17.0	17.0
33	181531031186	0.0	0.0	0.0
34	211539078161	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Réseaux Electriques Industriels / Section A / 5

#	Matricule	Examen	CC	MG
1	181839068463	0.0	15.0	15.0
2	181839054116	0.0	18.5	18.5
3	181839067534	0.0	15.5	15.5
4	161639071405	0.0	16.5	16.5
5	181839064582	0.0	14.5	14.5
6	181839073003	0.0	16.5	16.5
7	171739068212	0.0	14.0	14.0
8	181839073618	0.0	16.0	16.0
9	21119045011	0.0	15.0	15.0
10	181839065350	0.0	0.0	0.0
11	181839065614	0.0	16.0	16.0
12	181839068360	0.0	15.0	15.0
13	171739074190	0.0	0.0	0.0
14	171739071373	0.0	15.0	15.0
15	181839067903	0.0	16.5	16.5
16	181839064519	0.0	15.5	15.5
17	171739065374	0.0	14.0	14.0
18	181839069898	0.0	15.0	15.0
19	171739081369	0.0	0.0	0.0
20	181839069416	0.0	12.0	12.0
21	181839071134	0.0	15.0	15.0
22	181839072329	0.0	15.0	15.0
23	181839070855	0.0	15.5	15.5
24	161639084054	0.0	16.5	16.5
25	181839071587	0.0	14.0	14.0
26	181539083230	0.0	15.5	15.5
27	181839067419	0.0	15.5	15.5
28	181839071386	0.0	14.0	14.0
29	211539065167	0.0	17.0	17.0
30	16129053664	0.0	0.0	0.0
31	21099043186	0.0	15.5	15.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electromécanique
electromécanique

Niveau:

Matière: TP Réseaux Electriques Industriels / Section A / 6

#	Matricule	Examen	CC	MG
1	181839071054	0.0	14.5	14.5
2	181839073004	0.0	15.0	15.0
3	181839067535	0.0	15.5	15.5
4	181839068467	0.0	16.0	16.0
5	181839072913	0.0	15.0	15.0
6	181839067424	0.0	15.5	15.5
7	171739074198	0.0	14.0	14.0
8	181839065364	0.0	0.0	0.0
9	181839068378	0.0	0.0	0.0
10	171739081410	0.0	14.5	14.5
11	181839065616	0.0	16.0	16.0
12	161639051662	0.0	17.0	17.0
13	161639071445	0.0	13.0	13.0
14	161639084240	0.0	15.0	15.0
15	181839080094	0.0	0.0	0.0
16	181839071412	0.0	14.5	14.5
17	181839064014	0.0	16.5	16.5
18	171739065514	0.0	16.5	16.5
19	181839064523	0.0	16.0	16.0
20	181839071599	0.0	14.0	14.0
21	181839069437	0.0	0.0	0.0
22	171739071884	0.0	12.0	12.0
23	21119045488	0.0	16.5	16.5
24	181839070295	0.0	0.0	0.0
25	181839067969	0.0	0.0	0.0
26	171739068432	0.0	14.0	14.0
27	181839071137	0.0	14.5	14.5
28	181839064584	0.0	0.0	0.0
29	211339057344	0.0	0.0	0.0
30	211539070480	0.0	0.0	0.0

Signature de l'enseignant:

Le: