

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau:

Matière: Anglais Technique et Terminologie / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	18.0	0.0	18.0
2	181839066566	18.0	0.0	18.0
3	181839071029	20.0	0.0	20.0
4	181839063983	16.0	0.0	16.0
5	181839062753	18.0	0.0	18.0
6	171739069210	16.0	0.0	16.0
7	171739069278	0.0	0.0	0.0
8	181839071062	16.0	0.0	16.0
9	181839071971	18.0	0.0	18.0
10	171739076623	16.0	0.0	16.0
11	171739068675	16.0	0.0	16.0
12	181839069896	18.0	0.0	18.0
13	20119034996	18.0	0.0	18.0
14	181839069387	15.0	0.0	15.0
15	181839051169	0.0	0.0	0.0
16	181839067132	17.0	0.0	17.0
17	2196251071	0.0	0.0	0.0
18	161639070768	17.0	0.0	17.0
19	181839073067	18.0	0.0	18.0
20	171739067705	20.0	0.0	20.0
21	171739064457	19.0	0.0	19.0
22	171739065366	13.0	0.0	13.0
23	161639073894	0.0	0.0	0.0
24	171739081444	17.0	0.0	17.0
25	2195320242	20.0	0.0	20.0
26	171739074735	0.0	0.0	0.0
27	181839063196	16.0	0.0	16.0
28	181839067622	19.0	0.0	19.0
29	181839066208	17.0	0.0	17.0
30	181839070186	16.0	0.0	16.0
31	181839068824	17.0	0.0	17.0
32	181839066500	16.0	0.0	16.0
33	171739075610	12.0	0.0	12.0
34	181839070831	16.0	0.0	16.0
35	161639066786	0.0	0.0	0.0
36	171739066721	8.0	0.0	8.0
37	181839066550	15.0	0.0	15.0
38	171739071467	17.0	0.0	17.0
39	181839065292	18.0	0.0	18.0
40	151539069434	8.0	0.0	8.0
41	21129048570	0.0	0.0	0.0
42	191539066881	11.0	0.0	11.0
43	161539077062	12.0	0.0	12.0
44	161339053225	0.0	0.0	0.0
45	131339037246	16.0	0.0	16.0

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Anglais Technique et Terminologie / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	15.0	0.0	15.0
2	171739065620	19.0	0.0	19.0
3	171739064586	20.0	0.0	20.0
4	171739068320	16.0	0.0	16.0
5	181839070282	15.0	0.0	15.0
6	181839069785	0.0	0.0	0.0
7	181839070819	17.0	0.0	17.0
8	181839068233	14.0	0.0	14.0
9	181839065205	16.0	0.0	16.0
10	161639083438	15.0	0.0	15.0
11	181839080164	16.0	0.0	16.0
12	171739066731	13.0	0.0	13.0
13	171739065511	0.0	0.0	0.0
14	181839066564	16.0	0.0	16.0
15	171739069261	14.0	0.0	14.0
16	171739075667	14.0	0.0	14.0
17	171739074303	17.0	0.0	17.0
18	171739081409	19.0	0.0	19.0
19	181839070760	17.0	0.0	17.0
20	161639065547	20.0	0.0	20.0
21	181839063860	19.0	0.0	19.0
22	181839065316	18.0	0.0	18.0
23	181839069013	18.0	0.0	18.0
24	161639065128	16.0	0.0	16.0
25	181839071013	18.0	0.0	18.0
26	171739068725	16.0	0.0	16.0
27	171739064328	19.0	0.0	19.0
28	181839072966	19.0	0.0	19.0
29	161639074126	20.0	0.0	20.0
30	161639077400	0.0	0.0	0.0
31	181839067100	14.0	0.0	14.0
32	171739075313	0.0	0.0	0.0
33	181839069904	18.0	0.0	18.0
34	181839063065	19.0	0.0	19.0
35	181839071170	16.0	0.0	16.0
36	181839062713	18.0	0.0	18.0
37	181839066501	13.0	0.0	13.0
38	181839067092	0.0	0.0	0.0
39	181839071031	17.0	0.0	17.0
40	181839062981	17.0	0.0	17.0
41	161639075066	14.0	0.0	14.0
42	181839066416	16.0	0.0	16.0
43	181839067151	17.0	0.0	17.0
44	151539066901	19.0	0.0	19.0
45	161539074323	16.0	0.0	16.0
46	201439056467	18.0	0.0	18.0
47	19129038797	18.0	0.0	18.0

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Electronique de Puissance Avancée / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	14.0	12.0	13.2
2	181839066566	6.0	7.0	6.4
3	181839071029	2.0	9.0	4.8
4	181839063983	2.5	8.0	4.7
5	181839062753	5.0	10.0	7.0
6	171739069210	2.0	7.0	4.0
7	171739069278	1.0	7.0	3.4
8	181839071062	3.0	12.0	6.6
9	181839071971	3.0	7.0	4.6
10	171739076623	4.9	4.9	4.9
11	171739068675	1.0	7.0	3.4
12	181839069896	3.0	8.0	5.0
13	20119034996	6.0	7.0	6.4
14	181839069387	1.0	7.0	3.4
15	181839051169	0.0	0.0	0.0
16	181839067132	7.0	11.0	8.6
17	2196251071	0.0	0.0	0.0
18	161639070768	4.0	7.0	5.2
19	181839073067	13.0	7.0	10.6
20	171739067705	7.0	7.0	7.0
21	171739064457	1.0	7.0	3.4
22	171739065366	1.0	7.0	3.4
23	161639073894	0.0	0.0	0.0
24	171739081444	12.0	12.0	12.0
25	2195320242	2.0	11.0	5.6
26	171739074735	0.0	0.0	0.0
27	181839063196	7.0	14.0	9.8
28	181839067622	1.0	8.0	3.8
29	181839066208	7.0	14.0	9.8
30	181839070186	5.0	7.0	5.8
31	181839068824	4.0	7.0	5.2
32	181839066500	8.0	18.0	12.0
33	171739075610	0.0	0.0	0.0
34	181839070831	9.5	9.0	9.3
35	161639066786	0.0	7.0	2.8
36	171739066721	7.95	7.95	7.95
37	181839066550	1.0	7.0	3.4
38	171739071467	8.0	12.0	9.6
39	181839065292	3.0	7.0	4.6
40	151539069434	9.8	9.8	9.8
41	21129048570	0.0	0.0	0.0
42	191539066881	7.75	7.75	7.75
43	161539077062	1.0	0.0	0.6
44	161339053225	0.0	0.0	0.0
45	131339037246	6.0	7.0	6.4

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Electronique de Puissance Avancée / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	3.0	11.0	6.2
2	171739065620	11.0	20.0	14.6
3	171739064586	11.0	18.0	13.8
4	171739068320	3.0	7.0	4.6
5	181839070282	1.0	9.0	4.2
6	181839069785	0.0	0.0	0.0
7	181839070819	10.5	18.0	13.5
8	181839068233	3.0	14.0	7.4
9	181839065205	4.0	7.0	5.2
10	161639083438	2.0	11.0	5.6
11	181839080164	0.0	7.0	2.8
12	171739066731	4.6	4.6	4.6
13	171739065511	0.0	7.0	2.8
14	181839066564	8.0	15.0	10.8
15	171739069261	2.0	7.0	4.0
16	171739075667	0.0	0.0	0.0
17	171739074303	1.0	9.0	4.2
18	171739081409	5.0	8.0	6.2
19	181839070760	6.0	18.0	10.8
20	161639065547	7.0	7.0	7.0
21	181839063860	9.0	12.0	10.2
22	181839065316	3.0	7.0	4.6
23	181839069013	12.0	11.0	11.6
24	161639065128	6.0	15.0	9.6
25	181839071013	7.0	14.0	9.8
26	171739068725	5.0	14.0	8.6
27	171739064328	7.0	7.0	7.0
28	181839072966	3.0	7.0	4.6
29	161639074126	7.0	14.0	9.8
30	161639077400	0.0	0.0	0.0
31	181839067100	6.0	8.0	6.8
32	171739075313	0.0	0.0	0.0
33	181839069904	1.0	7.0	3.4
34	181839063065	1.0	7.0	3.4
35	181839071170	6.0	9.0	7.2
36	181839062713	3.0	7.0	4.6
37	181839066501	8.0	7.0	7.6
38	181839067092	0.0	7.0	2.8
39	181839071031	1.0	9.0	4.2
40	181839062981	7.5	20.0	12.5
41	161639075066	1.0	7.0	3.4
42	181839066416	7.0	10.0	8.2
43	181839067151	11.0	20.0	14.6
44	151539066901	7.0	14.0	9.8
45	161539074323	5.35	5.35	5.35
46	201439056467	0.0	7.0	2.8
47	19129038797	13.0	9.0	11.4

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Energies Renouvelables / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	12.0	0.0	12.0
2	181839066566	4.0	0.0	4.0
3	181839071029	15.75	0.0	15.75
4	181839063983	5.0	0.0	5.0
5	181839062753	5.0	0.0	5.0
6	171739069210	8.5	0.0	8.5
7	171739069278	0.0	0.0	0.0
8	181839071062	13.25	0.0	13.25
9	181839071971	4.0	0.0	4.0
10	171739076623	14.5	0.0	14.5
11	171739068675	13.75	0.0	13.75
12	181839069896	9.5	0.0	9.5
13	20119034996	12.75	0.0	12.75
14	181839069387	8.25	0.0	8.25
15	181839051169	7.0	0.0	7.0
16	181839067132	6.5	0.0	6.5
17	2196251071	0.0	0.0	0.0
18	161639070768	14.0	0.0	14.0
19	181839073067	11.25	0.0	11.25
20	171739067705	5.0	0.0	5.0
21	171739064457	9.5	0.0	9.5
22	171739065366	13.75	0.0	13.75
23	161639073894	0.0	0.0	0.0
24	171739081444	8.5	0.0	8.5
25	2195320242	15.25	0.0	15.25
26	171739074735	0.0	0.0	0.0
27	181839063196	9.25	0.0	9.25
28	181839067622	13.25	0.0	13.25
29	181839066208	12.0	0.0	12.0
30	181839070186	8.75	0.0	8.75
31	181839068824	7.75	0.0	7.75
32	181839066500	8.0	0.0	8.0
33	171739075610	10.0	0.0	10.0
34	181839070831	6.25	0.0	6.25
35	161639066786	6.25	0.0	6.25
36	171739066721	10.0	0.0	10.0
37	181839066550	12.0	0.0	12.0
38	171739071467	9.0	0.0	9.0
39	181839065292	12.75	0.0	12.75
40	151539069434	12.5	0.0	12.5
41	21129048570	0.0	0.0	0.0
42	191539066881	11.25	0.0	11.25
43	161539077062	11.25	0.0	11.25
44	161339053225	0.0	0.0	0.0
45	131339037246	6.0	0.0	6.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Energies Renouvelables / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	10.0	0.0	10.0
2	171739065620	7.0	0.0	7.0
3	171739064586	14.0	0.0	14.0
4	171739068320	6.0	0.0	6.0
5	181839070282	12.25	0.0	12.25
6	181839069785	0.0	0.0	0.0
7	181839070819	13.25	0.0	13.25
8	181839068233	10.0	0.0	10.0
9	181839065205	5.0	0.0	5.0
10	161639083438	6.5	0.0	6.5
11	181839080164	7.75	0.0	7.75
12	171739066731	14.5	0.0	14.5
13	171739065511	16.25	0.0	16.25
14	181839066564	10.75	0.0	10.75
15	171739069261	9.75	0.0	9.75
16	171739075667	17.5	0.0	17.5
17	171739074303	10.5	0.0	10.5
18	171739081409	7.0	0.0	7.0
19	181839070760	9.75	0.0	9.75
20	161639065547	5.75	0.0	5.75
21	181839063860	6.25	0.0	6.25
22	181839065316	7.75	0.0	7.75
23	181839069013	6.25	0.0	6.25
24	161639065128	7.75	0.0	7.75
25	181839071013	17.75	0.0	17.75
26	171739068725	11.5	0.0	11.5
27	171739064328	7.75	0.0	7.75
28	181839072966	10.75	0.0	10.75
29	161639074126	7.0	0.0	7.0
30	161639077400	0.0	0.0	0.0
31	181839067100	12.0	0.0	12.0
32	171739075313	5.5	0.0	5.5
33	181839069904	5.0	0.0	5.0
34	181839063065	8.75	0.0	8.75
35	181839071170	6.25	0.0	6.25
36	181839062713	6.25	0.0	6.25
37	181839066501	11.25	0.0	11.25
38	181839067092	0.0	0.0	0.0
39	181839071031	7.5	0.0	7.5
40	181839062981	13.25	0.0	13.25
41	161639075066	5.5	0.0	5.5
42	181839066416	15.5	0.0	15.5
43	181839067151	18.0	0.0	18.0
44	151539066901	15.75	0.0	15.75
45	161539074323	13.75	0.0	13.75
46	201439056467	11.25	0.0	11.25
47	19129038797	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Informatique et programmation / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	18.0	0.0	18.0
2	181839066566	10.0	0.0	10.0
3	181839071029	16.0	0.0	16.0
4	181839063983	10.0	0.0	10.0
5	181839062753	9.0	0.0	9.0
6	171739069210	9.0	0.0	9.0
7	171739069278	0.0	0.0	0.0
8	181839071062	13.0	0.0	13.0
9	181839071971	15.5	0.0	15.5
10	171739076623	10.25	0.0	10.25
11	171739068675	14.0	0.0	14.0
12	181839069896	16.5	0.0	16.5
13	20119034996	12.0	0.0	12.0
14	181839069387	10.0	0.0	10.0
15	181839051169	0.0	0.0	0.0
16	181839067132	10.0	0.0	10.0
17	2196251071	0.0	0.0	0.0
18	161639070768	12.5	0.0	12.5
19	181839073067	12.0	0.0	12.0
20	171739067705	8.0	0.0	8.0
21	171739064457	12.0	0.0	12.0
22	171739065366	13.5	0.0	13.5
23	161639073894	0.0	0.0	0.0
24	171739081444	16.0	0.0	16.0
25	2195320242	14.0	0.0	14.0
26	171739074735	0.0	0.0	0.0
27	181839063196	11.5	0.0	11.5
28	181839067622	16.0	0.0	16.0
29	181839066208	11.0	0.0	11.0
30	181839070186	8.0	0.0	8.0
31	181839068824	12.0	0.0	12.0
32	181839066500	12.5	0.0	12.5
33	171739075610	14.0	0.0	14.0
34	181839070831	12.5	0.0	12.5
35	161639066786	12.5	0.0	12.5
36	171739066721	10.5	0.0	10.5
37	181839066550	12.0	0.0	12.0
38	171739071467	13.5	0.0	13.5
39	181839065292	11.0	0.0	11.0
40	151539069434	11.0	0.0	11.0
41	21129048570	0.0	0.0	0.0
42	191539066881	12.0	0.0	12.0
43	161539077062	13.0	0.0	13.0
44	161339053225	0.0	0.0	0.0
45	131339037246	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Informatique et programmation / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	14.5	0.0	14.5
2	171739065620	14.5	0.0	14.5
3	171739064586	16.0	0.0	16.0
4	171739068320	9.0	0.0	9.0
5	181839070282	15.0	0.0	15.0
6	181839069785	0.0	0.0	0.0
7	181839070819	10.5	0.0	10.5
8	181839068233	11.5	0.0	11.5
9	181839065205	10.0	0.0	10.0
10	161639083438	9.0	0.0	9.0
11	181839080164	0.0	0.0	0.0
12	171739066731	11.0	0.0	11.0
13	171739065511	12.0	0.0	12.0
14	181839066564	0.0	0.0	0.0
15	171739069261	7.5	0.0	7.5
16	171739075667	10.5	0.0	10.5
17	171739074303	14.0	0.0	14.0
18	171739081409	8.0	0.0	8.0
19	181839070760	12.5	0.0	12.5
20	161639065547	10.0	0.0	10.0
21	181839063860	13.0	0.0	13.0
22	181839065316	14.0	0.0	14.0
23	181839069013	19.5	0.0	19.5
24	161639065128	13.5	0.0	13.5
25	181839071013	16.0	0.0	16.0
26	171739068725	12.5	0.0	12.5
27	171739064328	11.0	0.0	11.0
28	181839072966	10.0	0.0	10.0
29	161639074126	12.0	0.0	12.0
30	161639077400	0.0	0.0	0.0
31	181839067100	12.0	0.0	12.0
32	171739075313	0.0	0.0	0.0
33	181839069904	8.5	0.0	8.5
34	181839063065	11.5	0.0	11.5
35	181839071170	10.5	0.0	10.5
36	181839062713	9.0	0.0	9.0
37	181839066501	10.5	0.0	10.5
38	181839067092	0.0	0.0	0.0
39	181839071031	13.0	0.0	13.0
40	181839062981	14.0	0.0	14.0
41	161639075066	7.0	0.0	7.0
42	181839066416	17.5	0.0	17.5
43	181839067151	15.0	0.0	15.0
44	151539066901	14.5	0.0	14.5
45	161539074323	15.0	0.0	15.0
46	201439056467	11.0	0.0	11.0
47	19129038797	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Machines Electriques Approfondies / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	5.5	10.0	7.3
2	181839066566	3.0	11.05	6.22
3	181839071029	6.0	13.17	8.87
4	181839063983	1.0	0.0	0.6
5	181839062753	2.0	14.35	6.94
6	171739069210	0.0	7.53	3.01
7	171739069278	0.0	0.0	0.0
8	181839071062	4.5	13.75	8.2
9	181839071971	0.5	10.0	4.3
10	171739076623	9.4	9.4	9.4
11	171739068675	1.0	7.53	3.61
12	181839069896	2.5	10.0	5.5
13	20119034996	3.0	9.07	5.43
14	181839069387	0.0	4.23	1.69
15	181839051169	0.0	7.53	3.01
16	181839067132	2.5	9.27	5.21
17	2196251071	0.0	12.35	4.94
18	161639070768	0.0	8.35	3.34
19	181839073067	6.0	10.37	7.75
20	171739067705	0.0	11.3	4.52
21	171739064457	3.5	12.35	7.04
22	171739065366	0.0	4.23	1.69
23	161639073894	0.0	0.0	0.0
24	171739081444	6.5	12.8	9.02
25	2195320242	6.5	12.7	8.98
26	171739074735	0.0	0.0	0.0
27	181839063196	5.5	10.48	7.49
28	181839067622	6.5	14.77	9.81
29	181839066208	7.0	11.87	8.95
30	181839070186	3.0	8.57	5.23
31	181839068824	0.0	8.83	3.53
32	181839066500	8.0	12.45	9.78
33	171739075610	0.0	0.0	0.0
34	181839070831	2.5	10.6	5.74
35	161639066786	1.5	10.0	4.9
36	171739066721	10.6	10.6	10.6
37	181839066550	3.5	13.17	7.37
38	171739071467	4.5	7.53	5.71
39	181839065292	3.5	15.65	8.36
40	151539069434	11.8	11.8	11.8
41	21129048570	0.0	0.0	0.0
42	191539066881	13.2	13.2	13.2
43	161539077062	10.0	10.0	10.0
44	161339053225	0.0	0.0	0.0
45	131339037246	0.0	10.0	4.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Machines Electriques Approfondies / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	2.0	11.3	5.72
2	171739065620	4.5	11.77	7.41
3	171739064586	4.5	14.95	8.68
4	171739068320	0.0	11.3	4.52
5	181839070282	3.5	12.85	7.24
6	181839069785	0.0	0.0	0.0
7	181839070819	4.5	12.35	7.64
8	181839068233	5.5	15.65	9.56
9	181839065205	1.5	10.0	4.9
10	161639083438	1.5	9.55	4.72
11	181839080164	0.0	5.53	2.21
12	171739066731	6.4	6.4	6.4
13	171739065511	0.0	0.0	0.0
14	181839066564	4.5	14.77	8.61
15	171739069261	2.5	10.45	5.68
16	171739075667	0.0	0.0	0.0
17	171739074303	2.5	7.53	4.51
18	171739081409	1.0	10.0	4.6
19	181839070760	1.5	7.53	3.91
20	161639065547	3.0	11.3	6.32
21	181839063860	2.5	16.7	8.18
22	181839065316	0.0	11.05	4.42
23	181839069013	5.0	11.05	7.42
24	161639065128	2.0	8.83	4.73
25	181839071013	7.0	13.52	9.61
26	171739068725	7.5	14.0	10.1
27	171739064328	4.5	10.0	6.7
28	181839072966	3.0	11.3	6.32
29	161639074126	3.0	13.17	7.07
30	161639077400	0.0	0.0	0.0
31	181839067100	5.0	8.05	6.22
32	171739075313	0.0	0.0	0.0
33	181839069904	0.0	0.0	0.0
34	181839063065	4.0	11.3	6.92
35	181839071170	2.0	11.87	5.95
36	181839062713	0.0	12.35	4.94
37	181839066501	4.5	10.47	6.89
38	181839067092	0.0	0.0	0.0
39	181839071031	2.5	10.0	5.5
40	181839062981	7.0	16.35	10.74
41	161639075066	0.0	4.23	1.69
42	181839066416	8.5	11.3	9.62
43	181839067151	8.5	16.7	11.78
44	151539066901	5.0	16.7	9.68
45	161539074323	7.8	7.8	7.8
46	201439056467	0.0	0.0	0.0
47	19129038797	2.0	11.3	5.72

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Méthodes Numériques Appliquées et Optimisation / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	17.0	17.5	17.2
2	181839066566	1.0	7.0	3.4
3	181839071029	8.0	13.0	10.0
4	181839063983	1.0	7.0	3.4
5	181839062753	1.0	5.0	2.6
6	171739069210	0.5	4.0	1.9
7	171739069278	0.5	0.0	0.3
8	181839071062	10.0	17.0	12.8
9	181839071971	0.5	3.0	1.5
10	171739076623	4.2	4.2	4.2
11	171739068675	0.5	0.0	0.3
12	181839069896	1.0	6.0	3.0
13	20119034996	10.0	16.0	12.4
14	181839069387	0.5	3.0	1.5
15	181839051169	0.0	0.0	0.0
16	181839067132	3.0	9.0	5.4
17	2196251071	0.0	0.0	0.0
18	161639070768	1.0	8.0	3.8
19	181839073067	3.0	7.0	4.6
20	171739067705	4.0	13.0	7.6
21	171739064457	0.5	6.0	2.7
22	171739065366	0.5	0.0	0.3
23	161639073894	0.0	0.0	0.0
24	171739081444	18.0	18.0	18.0
25	2195320242	1.0	8.0	3.8
26	171739074735	0.0	0.0	0.0
27	181839063196	5.0	9.0	6.6
28	181839067622	8.0	10.0	8.8
29	181839066208	14.0	15.0	14.4
30	181839070186	2.0	10.0	5.2
31	181839068824	0.5	3.0	1.5
32	181839066500	12.0	16.0	13.6
33	171739075610	0.0	0.0	0.0
34	181839070831	1.0	8.0	3.8
35	161639066786	1.0	7.0	3.4
36	171739066721	9.4	9.4	9.4
37	181839066550	7.0	6.0	6.6
38	171739071467	2.0	4.0	2.8
39	181839065292	2.0	7.0	4.0
40	151539069434	8.8	8.8	8.8
41	21129048570	0.0	0.0	0.0
42	191539066881	10.0	10.0	10.0
43	161539077062	3.0	6.0	4.2
44	161339053225	0.0	0.0	0.0
45	131339037246	2.0	9.0	4.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Méthodes Numériques Appliquées et Optimisation / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	7.0	13.0	9.4
2	171739065620	17.5	12.0	15.3
3	171739064586	17.0	12.5	15.2
4	171739068320	3.0	6.0	4.2
5	181839070282	2.0	9.0	4.8
6	181839069785	0.0	0.0	0.0
7	181839070819	8.0	8.5	8.2
8	181839068233	20.0	14.0	17.6
9	181839065205	1.0	9.0	4.2
10	161639083438	3.0	6.0	4.2
11	181839080164	2.0	6.0	3.6
12	171739066731	7.2	7.2	7.2
13	171739065511	0.0	0.0	0.0
14	181839066564	6.0	6.0	6.0
15	171739069261	2.0	7.0	4.0
16	171739075667	0.0	0.0	0.0
17	171739074303	0.5	9.0	3.9
18	171739081409	0.5	4.0	1.9
19	181839070760	2.0	16.5	7.8
20	161639065547	2.0	10.5	5.4
21	181839063860	14.0	15.0	14.4
22	181839065316	1.0	8.0	3.8
23	181839069013	2.0	6.0	3.6
24	161639065128	7.0	13.0	9.4
25	181839071013	7.0	13.0	9.4
26	171739068725	11.0	16.5	13.2
27	171739064328	2.5	1.0	1.9
28	181839072966	2.0	6.0	3.6
29	161639074126	2.0	7.0	4.0
30	161639077400	0.0	0.0	0.0
31	181839067100	3.0	10.5	6.0
32	171739075313	0.5	0.0	0.3
33	181839069904	0.5	6.0	2.7
34	181839063065	6.0	13.0	8.8
35	181839071170	2.0	6.0	3.6
36	181839062713	0.5	6.0	2.7
37	181839066501	10.0	7.0	8.8
38	181839067092	0.0	0.0	0.0
39	181839071031	2.0	12.0	6.0
40	181839062981	12.0	13.0	12.4
41	161639075066	0.0	6.0	2.4
42	181839066416	1.0	6.0	3.0
43	181839067151	17.0	16.5	16.8
44	151539066901	17.0	16.0	16.6
45	161539074323	3.7	3.7	3.7
46	201439056467	0.0	0.0	0.0
47	19129038797	6.0	16.5	10.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: μ -Processeurs et μ -Contrôleurs / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	11.0	0.0	11.0
2	181839066566	10.0	0.0	10.0
3	181839071029	10.0	0.0	10.0
4	181839063983	10.5	0.0	10.5
5	181839062753	12.5	0.0	12.5
6	171739069210	10.0	0.0	10.0
7	171739069278	0.0	0.0	0.0
8	181839071062	11.5	0.0	11.5
9	181839071971	11.0	0.0	11.0
10	171739076623	8.5	0.0	8.5
11	171739068675	10.0	0.0	10.0
12	181839069896	8.0	0.0	8.0
13	20119034996	13.0	0.0	13.0
14	181839069387	10.0	0.0	10.0
15	181839051169	0.0	0.0	0.0
16	181839067132	8.5	0.0	8.5
17	2196251071	0.0	0.0	0.0
18	161639070768	11.0	0.0	11.0
19	181839073067	10.0	0.0	10.0
20	171739067705	10.0	0.0	10.0
21	171739064457	11.5	0.0	11.5
22	171739065366	8.0	0.0	8.0
23	161639073894	0.0	0.0	0.0
24	171739081444	10.0	0.0	10.0
25	2195320242	16.0	0.0	16.0
26	171739074735	0.0	0.0	0.0
27	181839063196	11.5	0.0	11.5
28	181839067622	16.0	0.0	16.0
29	181839066208	13.0	0.0	13.0
30	181839070186	12.0	0.0	12.0
31	181839068824	10.0	0.0	10.0
32	181839066500	13.0	0.0	13.0
33	171739075610	0.0	0.0	0.0
34	181839070831	12.0	0.0	12.0
35	161639066786	11.0	0.0	11.0
36	171739066721	10.0	0.0	10.0
37	181839066550	11.0	0.0	11.0
38	171739071467	11.0	0.0	11.0
39	181839065292	11.0	0.0	11.0
40	151539069434	7.0	0.0	7.0
41	21129048570	0.0	0.0	0.0
42	191539066881	10.5	0.0	10.5
43	161539077062	8.5	0.0	8.5
44	161339053225	0.0	0.0	0.0
45	131339037246	11.0	0.0	11.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: μ -Processeurs et μ -Contrôleurs / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	10.0	0.0	10.0
2	171739065620	10.0	0.0	10.0
3	171739064586	12.5	0.0	12.5
4	171739068320	10.5	0.0	10.5
5	181839070282	12.5	0.0	12.5
6	181839069785	0.0	0.0	0.0
7	181839070819	16.0	0.0	16.0
8	181839068233	10.0	0.0	10.0
9	181839065205	8.5	0.0	8.5
10	161639083438	7.0	0.0	7.0
11	181839080164	7.0	0.0	7.0
12	171739066731	14.0	0.0	14.0
13	171739065511	0.0	0.0	0.0
14	181839066564	11.0	0.0	11.0
15	171739069261	10.0	0.0	10.0
16	171739075667	0.0	0.0	0.0
17	171739074303	10.0	0.0	10.0
18	171739081409	10.5	0.0	10.5
19	181839070760	10.0	0.0	10.0
20	161639065547	6.5	0.0	6.5
21	181839063860	10.0	0.0	10.0
22	181839065316	7.5	0.0	7.5
23	181839069013	10.0	0.0	10.0
24	161639065128	10.5	0.0	10.5
25	181839071013	16.0	0.0	16.0
26	171739068725	0.0	0.0	0.0
27	171739064328	10.0	0.0	10.0
28	181839072966	12.0	0.0	12.0
29	161639074126	10.0	0.0	10.0
30	161639077400	0.0	0.0	0.0
31	181839067100	10.0	0.0	10.0
32	171739075313	0.0	0.0	0.0
33	181839069904	7.5	0.0	7.5
34	181839063065	10.0	0.0	10.0
35	181839071170	6.0	0.0	6.0
36	181839062713	10.0	0.0	10.0
37	181839066501	14.0	0.0	14.0
38	181839067092	0.0	0.0	0.0
39	181839071031	16.0	0.0	16.0
40	181839062981	11.5	0.0	11.5
41	161639075066	6.5	0.0	6.5
42	181839066416	14.0	0.0	14.0
43	181839067151	17.0	0.0	17.0
44	151539066901	14.0	0.0	14.0
45	161539074323	11.0	0.0	11.0
46	201439056467	0.0	0.0	0.0
47	19129038797	8.5	0.0	8.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Réseaux de Transport et de Distribution d'énergie Electrique / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	12.5	16.0	13.9
2	181839066566	3.0	8.0	5.0
3	181839071029	10.0	17.0	12.8
4	181839063983	2.0	7.0	4.0
5	181839062753	7.25	7.0	7.15
6	171739069210	7.5	7.0	7.3
7	171739069278	0.0	0.0	0.0
8	181839071062	14.25	11.0	12.95
9	181839071971	8.75	7.0	8.05
10	171739076623	6.6	6.6	6.6
11	171739068675	7.5	7.0	7.3
12	181839069896	13.75	10.0	12.25
13	20119034996	11.75	7.0	9.85
14	181839069387	4.25	7.0	5.35
15	181839051169	0.0	0.0	0.0
16	181839067132	12.25	7.0	10.15
17	2196251071	0.0	0.0	0.0
18	161639070768	8.0	7.0	7.6
19	181839073067	12.25	16.0	13.75
20	171739067705	6.0	7.0	6.4
21	171739064457	5.25	8.0	6.35
22	171739065366	5.0	7.0	5.8
23	161639073894	0.0	0.0	0.0
24	171739081444	15.0	19.0	16.6
25	2195320242	8.0	9.0	8.4
26	171739074735	0.0	0.0	0.0
27	181839063196	8.75	13.0	10.45
28	181839067622	13.5	14.0	13.7
29	181839066208	10.0	14.0	11.6
30	181839070186	12.75	7.0	10.45
31	181839068824	2.0	7.0	4.0
32	181839066500	17.5	20.0	18.5
33	171739075610	0.0	0.0	0.0
34	181839070831	10.0	10.0	10.0
35	161639066786	0.0	7.0	2.8
36	171739066721	10.65	10.65	10.65
37	181839066550	7.0	13.0	9.4
38	171739071467	14.25	7.0	11.35
39	181839065292	10.0	10.0	10.0
40	151539069434	3.0	3.0	3.0
41	21129048570	0.0	0.0	0.0
42	191539066881	16.2	16.2	16.2
43	161539077062	10.25	7.0	8.95
44	161339053225	0.0	0.0	0.0
45	131339037246	4.75	7.0	5.65

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: Réseaux de Transport et de Distribution d'énergie Electrique / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	7.75	10.0	8.65
2	171739065620	14.25	10.0	12.55
3	171739064586	16.25	16.0	16.15
4	171739068320	8.0	10.0	8.8
5	181839070282	4.75	10.0	6.85
6	181839069785	0.0	0.0	0.0
7	181839070819	12.0	10.0	11.2
8	181839068233	14.0	13.0	13.6
9	181839065205	2.75	7.0	4.45
10	161639083438	8.5	10.0	9.1
11	181839080164	0.0	7.0	2.8
12	171739066731	12.3	12.3	12.3
13	171739065511	0.0	0.0	0.0
14	181839066564	7.5	16.5	11.1
15	171739069261	2.0	10.0	5.2
16	171739075667	0.0	0.0	0.0
17	171739074303	4.75	8.0	6.05
18	171739081409	4.25	7.0	5.35
19	181839070760	11.25	11.0	11.15
20	161639065547	11.5	7.0	9.7
21	181839063860	14.25	14.0	14.15
22	181839065316	10.75	10.0	10.45
23	181839069013	15.5	10.0	13.3
24	161639065128	12.0	9.0	10.8
25	181839071013	12.5	13.5	12.9
26	171739068725	14.75	16.0	15.25
27	171739064328	7.0	10.0	8.2
28	181839072966	11.5	8.0	10.1
29	161639074126	12.25	15.0	13.35
30	161639077400	0.0	0.0	0.0
31	181839067100	12.75	14.0	13.25
32	171739075313	0.0	0.0	0.0
33	181839069904	2.0	7.0	4.0
34	181839063065	7.0	10.0	8.2
35	181839071170	10.75	10.0	10.45
36	181839062713	2.0	9.0	4.8
37	181839066501	13.25	12.0	12.75
38	181839067092	0.0	0.0	0.0
39	181839071031	8.75	7.0	8.05
40	181839062981	16.5	17.0	16.7
41	161639075066	3.25	7.0	4.75
42	181839066416	10.0	9.0	9.6
43	181839067151	18.0	20.0	18.8
44	151539066901	10.25	14.5	11.95
45	161539074323	8.8	8.8	8.8
46	201439056467	0.0	0.0	0.0
47	19129038797	13.5	15.0	14.1

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

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

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	0.0	12.5	12.5
2	181839066566	0.0	11.5	11.5
3	181839071029	0.0	12.0	12.0
4	181839063983	0.0	15.0	15.0
5	181839062753	0.0	12.0	12.0
6	171739069210	0.0	6.5	6.5
7	171739069278	0.0	0.0	0.0
8	181839071062	0.0	13.0	13.0
9	181839071971	0.0	15.0	15.0
10	171739076623	11.75	11.75	11.75
11	171739068675	8.5	8.5	8.5
12	181839069896	0.0	11.0	11.0
13	20119034996	0.0	15.0	15.0
14	181839069387	0.0	12.0	12.0
15	181839051169	0.0	6.0	6.0
16	181839067132	0.0	13.0	13.0
17	2196251071	0.0	7.5	7.5
18	161639070768	0.0	13.0	13.0
19	181839073067	0.0	15.0	15.0
20	171739067705	0.0	10.0	10.0
21	171739064457	0.0	13.0	13.0
22	171739065366	0.0	10.0	10.0
23	161639073894	0.0	0.0	0.0
24	171739081444	0.0	14.0	14.0
25	2195320242	0.0	13.0	13.0
26	171739074735	0.0	0.0	0.0
27	181839063196	0.0	9.0	9.0
28	181839067622	0.0	12.0	12.0
29	181839066208	0.0	16.0	16.0
30	181839070186	0.0	16.0	16.0
31	181839068824	0.0	13.0	13.0
32	181839066500	0.0	13.0	13.0
33	171739075610	9.0	9.0	9.0
34	181839070831	0.0	13.0	13.0
35	161639066786	0.0	14.0	14.0
36	171739066721	9.0	9.0	9.0
37	181839066550	0.0	12.0	12.0
38	171739071467	0.0	14.0	14.0
39	181839065292	0.0	16.0	16.0
40	151539069434	11.75	11.75	11.75
41	21129048570	0.0	5.0	5.0
42	191539066881	9.0	9.0	9.0
43	161539077062	9.0	9.0	9.0
44	161339053225	0.0	0.0	0.0
45	131339037246	0.0	12.0	12.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

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

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	0.0	13.0	13.0
2	171739065620	0.0	16.0	16.0
3	171739064586	0.0	18.0	18.0
4	171739068320	0.0	12.0	12.0
5	181839070282	0.0	12.0	12.0
6	181839069785	0.0	0.0	0.0
7	181839070819	0.0	17.0	17.0
8	181839068233	0.0	16.0	16.0
9	181839065205	0.0	14.0	14.0
10	161639083438	0.0	12.0	12.0
11	181839080164	0.0	15.0	15.0
12	171739066731	11.0	11.0	11.0
13	171739065511	0.0	0.0	0.0
14	181839066564	0.0	13.0	13.0
15	171739069261	0.0	13.0	13.0
16	171739075667	11.75	11.75	11.75
17	171739074303	0.0	12.0	12.0
18	171739081409	0.0	14.0	14.0
19	181839070760	0.0	12.0	12.0
20	161639065547	0.0	15.0	15.0
21	181839063860	0.0	12.0	12.0
22	181839065316	0.0	15.0	15.0
23	181839069013	0.0	13.0	13.0
24	161639065128	0.0	15.0	15.0
25	181839071013	0.0	13.0	13.0
26	171739068725	0.0	12.0	12.0
27	171739064328	0.0	11.0	11.0
28	181839072966	0.0	12.0	12.0
29	161639074126	0.0	12.0	12.0
30	161639077400	0.0	0.0	0.0
31	181839067100	0.0	10.0	10.0
32	171739075313	0.0	0.0	0.0
33	181839069904	0.0	10.0	10.0
34	181839063065	0.0	12.0	12.0
35	181839071170	0.0	11.0	11.0
36	181839062713	0.0	13.0	13.0
37	181839066501	0.0	13.0	13.0
38	181839067092	0.0	0.0	0.0
39	181839071031	0.0	13.0	13.0
40	181839062981	0.0	15.0	15.0
41	161639075066	0.0	6.5	6.5
42	181839066416	0.0	12.0	12.0
43	181839067151	0.0	13.0	13.0
44	151539066901	0.0	15.0	15.0
45	161539074323	11.25	11.25	11.25
46	201439056467	13.25	13.25	13.25
47	19129038797	0.0	13.0	13.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Machines Electriques Approfondies / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	0.0	11.25	11.25
2	181839066566	0.0	8.75	8.75
3	181839071029	0.0	12.0	12.0
4	181839063983	0.0	6.5	6.5
5	181839062753	0.0	7.25	7.25
6	171739069210	0.0	7.5	7.5
7	171739069278	0.0	0.0	0.0
8	181839071062	0.0	8.5	8.5
9	181839071971	0.0	14.25	14.25
10	171739076623	0.0	15.0	15.0
11	171739068675	0.0	12.0	12.0
12	181839069896	0.0	9.25	9.25
13	20119034996	0.0	8.25	8.25
14	181839069387	0.0	11.25	11.25
15	181839051169	0.0	4.0	4.0
16	181839067132	0.0	6.75	6.75
17	2196251071	0.0	9.25	9.25
18	161639070768	0.0	12.75	12.75
19	181839073067	0.0	15.5	15.5
20	171739067705	0.0	10.5	10.5
21	171739064457	0.0	12.0	12.0
22	171739065366	0.0	13.0	13.0
23	161639073894	0.0	0.0	0.0
24	171739081444	0.0	9.75	9.75
25	2195320242	0.0	12.25	12.25
26	171739074735	0.0	0.0	0.0
27	181839063196	0.0	10.25	10.25
28	181839067622	0.0	10.0	10.0
29	181839066208	0.0	11.0	11.0
30	181839070186	0.0	7.75	7.75
31	181839068824	0.0	6.75	6.75
32	181839066500	0.0	13.75	13.75
33	171739075610	0.0	11.0	11.0
34	181839070831	0.0	8.75	8.75
35	161639066786	0.0	7.75	7.75
36	171739066721	0.0	11.0	11.0
37	181839066550	0.0	7.25	7.25
38	171739071467	0.0	13.0	13.0
39	181839065292	0.0	8.5	8.5
40	151539069434	0.0	12.0	12.0
41	21129048570	0.0	0.0	0.0
42	191539066881	0.0	13.0	13.0
43	161539077062	0.0	11.0	11.0
44	161339053225	0.0	0.0	0.0
45	131339037246	0.0	12.5	12.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Machines Electriques Approfondies / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	0.0	8.75	8.75
2	171739065620	0.0	10.5	10.5
3	171739064586	0.0	14.0	14.0
4	171739068320	0.0	7.25	7.25
5	181839070282	0.0	10.75	10.75
6	181839069785	0.0	0.0	0.0
7	181839070819	0.0	8.5	8.5
8	181839068233	0.0	14.75	14.75
9	181839065205	0.0	7.0	7.0
10	161639083438	0.0	9.75	9.75
11	181839080164	0.0	10.0	10.0
12	171739066731	0.0	13.0	13.0
13	171739065511	0.0	0.0	0.0
14	181839066564	0.0	14.25	14.25
15	171739069261	0.0	10.25	10.25
16	171739075667	0.0	11.0	11.0
17	171739074303	0.0	14.75	14.75
18	171739081409	0.0	10.5	10.5
19	181839070760	0.0	14.25	14.25
20	161639065547	0.0	11.0	11.0
21	181839063860	0.0	10.0	10.0
22	181839065316	0.0	14.5	14.5
23	181839069013	0.0	11.25	11.25
24	161639065128	0.0	9.0	9.0
25	181839071013	0.0	12.5	12.5
26	171739068725	0.0	15.5	15.5
27	171739064328	0.0	0.0	0.0
28	181839072966	0.0	14.0	14.0
29	161639074126	0.0	9.75	9.75
30	161639077400	0.0	0.0	0.0
31	181839067100	0.0	12.25	12.25
32	171739075313	0.0	0.0	0.0
33	181839069904	0.0	6.25	6.25
34	181839063065	0.0	9.5	9.5
35	181839071170	0.0	10.25	10.25
36	181839062713	0.0	6.5	6.5
37	181839066501	0.0	12.0	12.0
38	181839067092	0.0	0.0	0.0
39	181839071031	0.0	10.0	10.0
40	181839062981	0.0	16.5	16.5
41	161639075066	0.0	4.0	4.0
42	181839066416	0.0	13.75	13.75
43	181839067151	0.0	16.75	16.75
44	151539066901	0.0	14.25	14.25
45	161539074323	0.0	11.0	11.0
46	201439056467	0.0	11.0	11.0
47	19129038797	0.0	9.0	9.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Méthodes Numériques Appliquées et Optimisation / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	0.0	13.5	13.5
2	181839066566	0.0	7.25	7.25
3	181839071029	0.0	12.0	12.0
4	181839063983	0.0	11.88	11.88
5	181839062753	0.0	7.0	7.0
6	171739069210	0.0	7.0	7.0
7	171739069278	0.0	0.0	0.0
8	181839071062	0.0	12.0	12.0
9	181839071971	0.0	7.5	7.5
10	171739076623	0.0	14.5	14.5
11	171739068675	0.0	13.0	13.0
12	181839069896	0.0	9.75	9.75
13	20119034996	0.0	11.75	11.75
14	181839069387	0.0	7.5	7.5
15	181839051169	0.0	7.0	7.0
16	181839067132	0.0	10.63	10.63
17	2196251071	0.0	2.75	2.75
18	161639070768	0.0	0.0	0.0
19	181839073067	0.0	11.0	11.0
20	171739067705	0.0	8.13	8.13
21	171739064457	0.0	11.0	11.0
22	171739065366	0.0	13.0	13.0
23	161639073894	0.0	0.0	0.0
24	171739081444	0.0	13.5	13.5
25	2195320242	0.0	10.5	10.5
26	171739074735	0.0	0.0	0.0
27	181839063196	0.0	13.5	13.5
28	181839067622	0.0	5.25	5.25
29	181839066208	0.0	12.25	12.25
30	181839070186	0.0	9.0	9.0
31	181839068824	0.0	7.5	7.5
32	181839066500	0.0	12.25	12.25
33	171739075610	0.0	12.5	12.5
34	181839070831	0.0	11.88	11.88
35	161639066786	0.0	11.88	11.88
36	171739066721	0.0	14.5	14.5
37	181839066550	0.0	11.63	11.63
38	171739071467	0.0	7.5	7.5
39	181839065292	0.0	10.75	10.75
40	151539069434	0.0	14.0	14.0
41	21129048570	0.0	0.0	0.0
42	191539066881	0.0	13.5	13.5
43	161539077062	0.0	13.5	13.5
44	161339053225	0.0	0.0	0.0
45	131339037246	0.0	9.75	9.75

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Méthodes Numériques Appliquées et Optimisation / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	0.0	14.5	14.5
2	171739065620	0.0	15.5	15.5
3	171739064586	0.0	15.0	15.0
4	171739068320	0.0	13.5	13.5
5	181839070282	0.0	14.5	14.5
6	181839069785	0.0	0.0	0.0
7	181839070819	0.0	14.5	14.5
8	181839068233	0.0	14.5	14.5
9	181839065205	0.0	14.0	14.0
10	161639083438	0.0	14.5	14.5
11	181839080164	0.0	13.5	13.5
12	171739066731	0.0	13.5	13.5
13	171739065511	0.0	0.0	0.0
14	181839066564	0.0	14.5	14.5
15	171739069261	0.0	13.0	13.0
16	171739075667	0.0	13.0	13.0
17	171739074303	0.0	13.5	13.5
18	171739081409	0.0	14.0	14.0
19	181839070760	0.0	14.5	14.5
20	161639065547	0.0	14.0	14.0
21	181839063860	0.0	14.5	14.5
22	181839065316	0.0	13.5	13.5
23	181839069013	0.0	14.5	14.5
24	161639065128	0.0	15.5	15.5
25	181839071013	0.0	15.0	15.0
26	171739068725	0.0	14.0	14.0
27	171739064328	0.0	14.0	14.0
28	181839072966	0.0	14.5	14.5
29	161639074126	0.0	14.5	14.5
30	161639077400	0.0	0.0	0.0
31	181839067100	0.0	13.5	13.5
32	171739075313	0.0	0.0	0.0
33	181839069904	0.0	12.0	12.0
34	181839063065	0.0	14.0	14.0
35	181839071170	0.0	13.5	13.5
36	181839062713	0.0	14.0	14.0
37	181839066501	0.0	14.5	14.5
38	181839067092	0.0	0.0	0.0
39	181839071031	0.0	15.0	15.0
40	181839062981	0.0	14.0	14.0
41	161639075066	0.0	12.0	12.0
42	181839066416	0.0	14.5	14.5
43	181839067151	0.0	14.5	14.5
44	151539066901	0.0	14.5	14.5
45	161539074323	0.0	12.5	12.5
46	201439056467	0.0	13.0	13.0
47	19129038797	0.0	14.5	14.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP μ -Processeurs et μ -Contrôleurs / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	0.0	15.5	15.5
2	181839066566	0.0	16.0	16.0
3	181839071029	0.0	16.5	16.5
4	181839063983	0.0	15.0	15.0
5	181839062753	0.0	15.5	15.5
6	171739069210	0.0	15.5	15.5
7	171739069278	0.0	0.0	0.0
8	181839071062	0.0	16.5	16.5
9	181839071971	0.0	14.0	14.0
10	171739076623	0.0	18.0	18.0
11	171739068675	0.0	11.0	11.0
12	181839069896	0.0	15.0	15.0
13	20119034996	0.0	16.5	16.5
14	181839069387	0.0	14.0	14.0
15	181839051169	0.0	10.5	10.5
16	181839067132	0.0	15.5	15.5
17	2196251071	0.0	0.0	0.0
18	161639070768	0.0	14.0	14.0
19	181839073067	0.0	16.0	16.0
20	171739067705	0.0	15.5	15.5
21	171739064457	0.0	16.0	16.0
22	171739065366	0.0	0.0	0.0
23	161639073894	0.0	0.0	0.0
24	171739081444	0.0	15.5	15.5
25	2195320242	0.0	17.5	17.5
26	171739074735	0.0	0.0	0.0
27	181839063196	0.0	15.5	15.5
28	181839067622	0.0	0.0	0.0
29	181839066208	0.0	16.5	16.5
30	181839070186	0.0	16.5	16.5
31	181839068824	0.0	15.0	15.0
32	181839066500	0.0	16.0	16.0
33	171739075610	0.0	16.0	16.0
34	181839070831	0.0	15.0	15.0
35	161639066786	0.0	15.0	15.0
36	171739066721	0.0	16.0	16.0
37	181839066550	0.0	16.5	16.5
38	171739071467	0.0	14.0	14.0
39	181839065292	0.0	15.5	15.5
40	151539069434	0.0	19.5	19.5
41	21129048570	0.0	0.0	0.0
42	191539066881	0.0	17.5	17.5
43	161539077062	0.0	15.0	15.0
44	161339053225	0.0	0.0	0.0
45	131339037246	0.0	15.0	15.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP μ -Processeurs et μ -Contrôleurs / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	0.0	15.5	15.5
2	171739065620	0.0	17.0	17.0
3	171739064586	0.0	16.5	16.5
4	171739068320	0.0	16.0	16.0
5	181839070282	0.0	15.5	15.5
6	181839069785	0.0	0.0	0.0
7	181839070819	0.0	15.5	15.5
8	181839068233	0.0	15.0	15.0
9	181839065205	0.0	15.0	15.0
10	161639083438	0.0	17.0	17.0
11	181839080164	0.0	15.5	15.5
12	171739066731	0.0	15.5	15.5
13	171739065511	0.0	17.5	17.5
14	181839066564	0.0	17.5	17.5
15	171739069261	0.0	15.5	15.5
16	171739075667	0.0	16.0	16.0
17	171739074303	0.0	15.5	15.5
18	171739081409	0.0	17.0	17.0
19	181839070760	0.0	15.5	15.5
20	161639065547	0.0	14.5	14.5
21	181839063860	0.0	15.0	15.0
22	181839065316	0.0	15.0	15.0
23	181839069013	0.0	17.0	17.0
24	161639065128	0.0	18.0	18.0
25	181839071013	0.0	16.5	16.5
26	171739068725	0.0	15.5	15.5
27	171739064328	0.0	16.0	16.0
28	181839072966	0.0	17.0	17.0
29	161639074126	0.0	17.0	17.0
30	161639077400	0.0	0.0	0.0
31	181839067100	0.0	15.0	15.0
32	171739075313	0.0	0.0	0.0
33	181839069904	0.0	0.0	0.0
34	181839063065	0.0	14.5	14.5
35	181839071170	0.0	15.0	15.0
36	181839062713	0.0	15.5	15.5
37	181839066501	0.0	17.5	17.5
38	181839067092	0.0	0.0	0.0
39	181839071031	0.0	14.5	14.5
40	181839062981	0.0	15.5	15.5
41	161639075066	0.0	0.0	0.0
42	181839066416	0.0	17.5	17.5
43	181839067151	0.0	15.0	15.0
44	151539066901	0.0	17.0	17.0
45	161539074323	0.0	19.0	19.0
46	201439056467	0.0	20.0	20.0
47	19129038797	0.0	17.0	17.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Réseaux de Transport et de Distribution d'énergie Electrique / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839063047	0.0	10.75	10.75
2	181839066566	0.0	11.65	11.65
3	181839071029	0.0	11.4	11.4
4	181839063983	0.0	10.88	10.88
5	181839062753	0.0	12.6	12.6
6	171739069210	0.0	12.45	12.45
7	171739069278	0.0	5.03	5.03
8	181839071062	0.0	12.03	12.03
9	181839071971	0.0	12.0	12.0
10	171739076623	0.0	12.5	12.5
11	171739068675	0.0	10.0	10.0
12	181839069896	0.0	10.83	10.83
13	20119034996	0.0	11.93	11.93
14	181839069387	0.0	12.0	12.0
15	181839051169	0.0	10.75	10.75
16	181839067132	0.0	11.6	11.6
17	2196251071	0.0	0.0	0.0
18	161639070768	0.0	0.0	0.0
19	181839073067	0.0	13.58	13.58
20	171739067705	0.0	11.0	11.0
21	171739064457	0.0	13.28	13.28
22	171739065366	0.0	6.0	6.0
23	161639073894	0.0	0.0	0.0
24	171739081444	0.0	11.5	11.5
25	2195320242	0.0	10.23	10.23
26	171739074735	0.0	0.0	0.0
27	181839063196	0.0	11.65	11.65
28	181839067622	0.0	11.38	11.38
29	181839066208	0.0	12.3	12.3
30	181839070186	0.0	12.45	12.45
31	181839068824	0.0	12.0	12.0
32	181839066500	0.0	14.45	14.45
33	171739075610	0.0	11.75	11.75
34	181839070831	0.0	12.9	12.9
35	161639066786	0.0	13.48	13.48
36	171739066721	0.0	11.75	11.75
37	181839066550	0.0	12.38	12.38
38	171739071467	0.0	7.0	7.0
39	181839065292	0.0	12.3	12.3
40	151539069434	0.0	10.75	10.75
41	21129048570	0.0	0.0	0.0
42	191539066881	0.0	10.7	10.7
43	161539077062	0.0	11.0	11.0
44	161339053225	0.0	0.0	0.0
45	131339037246	0.0	12.18	12.18

Signature de l'enseignant:

Le:

2021/2022

Filière: Electrotechnique
commandes électriques

Niveau: Arrêté d'habilitation de

Matière: TP Réseaux de Transport et de Distribution d'énergie Electrique / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171839079595	0.0	12.0	12.0
2	171739065620	0.0	14.25	14.25
3	171739064586	0.0	15.5	15.5
4	171739068320	0.0	12.0	12.0
5	181839070282	0.0	8.0	8.0
6	181839069785	0.0	0.0	0.0
7	181839070819	0.0	14.0	14.0
8	181839068233	0.0	16.0	16.0
9	181839065205	0.0	13.0	13.0
10	161639083438	0.0	15.0	15.0
11	181839080164	0.0	12.0	12.0
12	171739066731	0.0	10.0	10.0
13	171739065511	0.0	0.0	0.0
14	181839066564	0.0	16.0	16.0
15	171739069261	0.0	7.0	7.0
16	171739075667	0.0	11.75	11.75
17	171739074303	0.0	14.5	14.5
18	171739081409	0.0	14.25	14.25
19	181839070760	0.0	14.5	14.5
20	161639065547	0.0	14.5	14.5
21	181839063860	0.0	13.5	13.5
22	181839065316	0.0	13.5	13.5
23	181839069013	0.0	15.0	15.0
24	161639065128	0.0	13.75	13.75
25	181839071013	0.0	15.5	15.5
26	171739068725	0.0	14.5	14.5
27	171739064328	0.0	0.0	0.0
28	181839072966	0.0	13.5	13.5
29	161639074126	0.0	15.0	15.0
30	161639077400	0.0	0.0	0.0
31	181839067100	0.0	10.65	10.65
32	171739075313	0.0	0.0	0.0
33	181839069904	0.0	6.0	6.0
34	181839063065	0.0	14.5	14.5
35	181839071170	0.0	13.0	13.0
36	181839062713	0.0	13.0	13.0
37	181839066501	0.0	16.0	16.0
38	181839067092	0.0	0.0	0.0
39	181839071031	0.0	14.5	14.5
40	181839062981	0.0	16.0	16.0
41	161639075066	0.0	0.0	0.0
42	181839066416	0.0	16.0	16.0
43	181839067151	0.0	16.0	16.0
44	151539066901	0.0	13.0	13.0
45	161539074323	0.0	11.0	11.0
46	201439056467	0.0	0.0	0.0
47	19129038797	0.0	15.0	15.0

Signature de l'enseignant:

Le: