



2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: Commande avancées / Section A / 1

## PV de délibération par matière (Session Rattrapage)

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

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 09

Matière: Commande avancées / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739064500	11.75	8.16	10.31	NORMALE
2	171739064638	13.5	9.96	12.08	NORMALE
3	161639065837	9.0	6.04	7.82	RATTRAPAGE
4	171739071291	9.0	6.12	7.85	RATTRAPAGE
5	171739072228	9.0	6.12	7.85	RATTRAPAGE
6	171739069673	14.0	6.6	11.04	NORMALE
7	161639065468	12.0	6.92	9.97	NORMALE
8	181439062744	9.0	6.36	7.94	RATTRAPAGE
9	171739067668	9.75	7.16	8.71	NORMALE
10	171739071142	4.0	6.12	4.85	NORMALE
11	161639054697	5.0	7.12	5.85	NORMALE
12	171739069582	9.5	6.72	8.39	NORMALE
13	171739065445	2.0	6.12	3.65	NORMALE
14	171739064736	9.0	6.04	7.82	RATTRAPAGE
15	171739075649	4.0	6.2	4.88	NORMALE
16	171739064620	9.75	6.12	8.3	NORMALE
17	171739070789	9.0	6.92	8.17	NORMALE
18	171739066299	6.0	6.12	6.05	RATTRAPAGE
19	171739065656	10.0	5.84	8.34	RATTRAPAGE
20	171739070580	6.0	6.04	6.02	NORMALE
21	21089055691	0.0	0.0	0.0	NORMALE
22	161639077339	4.0	6.12	4.85	NORMALE
23	161639068385	9.0	5.52	7.61	RATTRAPAGE
24	161739081072	11.5	7.52	9.91	NORMALE
25	171739071374	9.0	6.36	7.94	RATTRAPAGE
26	171739073521	9.75	6.12	8.3	NORMALE
27	161639071869	4.0	6.12	4.85	NORMALE
28	2199929692	2.0	6.12	3.65	NORMALE
29	171739068189	11.25	6.12	9.2	NORMALE
30	21039049223	13.5	7.44	11.08	NORMALE
31	21039047798	8.0	7.14	7.66	NORMALE
32	171739071293	5.0	6.12	5.45	NORMALE
33	171739065432	5.75	6.12	5.9	NORMALE
34	171739068369	13.0	6.12	10.25	NORMALE
35	201339049168	3.0	6.36	4.34	NORMALE
36	21089055644	0.0	0.0	0.0	NORMALE
37	181539069121	3.0	6.2	4.28	NORMALE
38	171739071290	3.0	7.2	4.68	NORMALE
39	171739068489	15.25	6.36	11.69	NORMALE
40	171739082180	4.0	6.12	4.85	NORMALE
41	171739068391	12.75	6.96	10.43	NORMALE

Signature de l'enseignant:

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2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	2096352360	10.0	17.8	13.12	NORMALE
2	20119044876	13.0	14.7	13.68	NORMALE
3	161639075756	6.5	13.2	9.18	NORMALE
4	21039040501	11.0	6.6	9.24	NORMALE
5	141431029303	12.5	6.6	10.14	NORMALE
6	161639078144	12.0	8.6	10.64	RATTRAPAGE
7	171739071288	11.75	12.0	11.85	RATTRAPAGE
8	171739073213	12.0	5.4	9.36	RATTRAPAGE
9	2099935420	13.5	14.4	13.86	RATTRAPAGE
10	171739068654	8.0	17.8	11.92	NORMALE
11	171539070503	13.5	6.6	10.74	RATTRAPAGE
12	161539066951	17.0	16.8	16.92	NORMALE
13	171739064498	15.5	14.4	15.06	NORMALE
14	171739081697	15.75	14.0	15.05	RATTRAPAGE
15	171739065281	7.5	13.7	9.98	NORMALE
16	171739070542	8.5	6.6	7.74	RATTRAPAGE
17	171739076218	9.5	9.6	9.54	NORMALE
18	171739069606	15.75	6.2	11.93	RATTRAPAGE
19	21099050883	0.0	0.0	0.0	NORMALE
20	171739070632	11.5	12.8	12.02	NORMALE
21	21941249012	18.5	13.8	16.62	NORMALE
22	171739073691	13.0	15.6	14.04	NORMALE
23	171739065470	11.5	6.6	9.54	NORMALE
24	171739068254	9.5	16.4	12.26	NORMALE
25	171739069057	15.5	16.6	15.94	NORMALE
26	161539070477	10.0	13.8	11.52	NORMALE
27	161639075698	8.5	13.2	10.38	RATTRAPAGE
28	171739068443	7.0	15.2	10.28	NORMALE
29	171739068655	12.0	13.0	12.4	NORMALE
30	171739068710	14.5	18.8	16.22	NORMALE
31	201539076337	6.0	6.2	6.08	NORMALE
32	171739068638	13.5	13.2	13.38	NORMALE
33	171739064735	8.5	9.0	8.7	NORMALE
34	2199931457	10.0	15.4	12.16	NORMALE
35	161639075790	9.5	9.6	9.54	NORMALE
36	181539069154	11.64	11.64	11.64	NORMALE
37	171739068648	15.0	19.0	16.6	NORMALE
38	21039051695	9.5	7.0	8.5	NORMALE
39	20109042652	12.5	18.0	14.7	NORMALE
40	171739080818	15.5	13.2	14.58	NORMALE
41	171739065623	13.25	9.6	11.79	RATTRAPAGE

Signature de l'enseignant:

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Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739064500	13.5	16.7	14.78	NORMALE
2	171739064638	8.0	15.6	11.04	NORMALE
3	161639065837	12.0	6.6	9.84	RATTRAPAGE
4	171739071291	9.0	16.4	11.96	NORMALE
5	171739072228	9.5	14.0	11.3	RATTRAPAGE
6	171739069673	10.0	16.8	12.72	NORMALE
7	161639065468	17.5	16.8	17.22	NORMALE
8	181439062744	13.0	11.6	12.44	NORMALE
9	171739067668	6.0	16.8	10.32	NORMALE
10	171739071142	11.75	14.9	13.01	RATTRAPAGE
11	161639054697	16.0	12.6	14.64	RATTRAPAGE
12	171739069582	3.0	18.0	9.0	NORMALE
13	171739065445	11.0	6.6	9.24	RATTRAPAGE
14	171739064736	8.0	15.6	11.04	NORMALE
15	171739075649	14.0	15.6	14.64	NORMALE
16	171739064620	9.0	15.1	11.44	RATTRAPAGE
17	171739070789	11.5	15.6	13.14	NORMALE
18	171739066299	10.0	15.8	12.32	RATTRAPAGE
19	171739065656	12.25	16.3	13.87	RATTRAPAGE
20	171739070580	10.5	16.8	13.02	NORMALE
21	21089055691	0.0	0.0	0.0	NORMALE
22	161639077339	12.5	14.8	13.42	NORMALE
23	161639068385	7.5	15.6	10.74	NORMALE
24	161739081072	11.5	15.6	13.14	NORMALE
25	171739071374	8.0	10.4	8.96	NORMALE
26	171739073521	7.5	13.2	9.78	NORMALE
27	161639071869	11.25	7.2	9.63	RATTRAPAGE
28	2199929692	11.5	10.0	10.9	NORMALE
29	171739068189	8.5	16.2	11.58	NORMALE
30	21039049223	15.0	13.0	14.2	NORMALE
31	21039047798	15.0	6.4	11.56	NORMALE
32	171739071293	8.0	14.9	10.76	NORMALE
33	171739065432	16.5	10.7	14.18	RATTRAPAGE
34	171739068369	11.0	16.8	13.32	NORMALE
35	201339049168	9.0	5.2	7.48	RATTRAPAGE
36	21089055644	0.0	0.0	0.0	NORMALE
37	181539069121	2.5	7.3	4.42	NORMALE
38	171739071290	5.5	18.5	10.7	NORMALE
39	171739068489	13.0	19.1	15.44	NORMALE
40	171739082180	11.0	6.7	9.28	NORMALE
41	171739068391	9.0	16.0	11.8	NORMALE

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Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: Commande non linéaire / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	2096352360	12.0	9.8	11.12	NORMALE
2	20119044876	5.5	7.4	6.26	RATTRAPAGE
3	161639075756	6.0	6.8	6.32	NORMALE
4	21039040501	6.0	11.0	8.0	NORMALE
5	141431029303	8.0	6.0	7.2	RATTRAPAGE
6	161639078144	6.0	9.0	7.2	RATTRAPAGE
7	171739071288	5.0	4.8	4.92	RATTRAPAGE
8	171739073213	6.0	8.2	6.88	RATTRAPAGE
9	2099935420	13.0	12.0	12.6	NORMALE
10	171739068654	6.0	9.6	7.44	RATTRAPAGE
11	171539070503	4.0	9.2	6.08	NORMALE
12	161539066951	11.0	12.2	11.48	NORMALE
13	171739064498	4.5	11.8	7.42	NORMALE
14	171739081697	6.0	5.6	5.84	NORMALE
15	171739065281	4.5	8.6	6.14	NORMALE
16	171739070542	4.5	9.2	6.38	NORMALE
17	171739076218	4.5	9.4	6.46	NORMALE
18	171739069606	6.0	11.6	8.24	RATTRAPAGE
19	21099050883	0.0	0.0	0.0	NORMALE
20	171739070632	4.5	11.1	7.14	NORMALE
21	21941249012	15.0	14.6	14.84	NORMALE
22	171739073691	11.5	8.6	10.34	NORMALE
23	171739065470	5.0	11.0	7.4	NORMALE
24	171739068254	6.5	13.4	9.26	NORMALE
25	171739069057	6.5	10.8	8.22	NORMALE
26	161539070477	6.0	10.8	7.92	NORMALE
27	161639075698	6.0	5.8	5.92	NORMALE
28	171739068443	6.0	9.2	7.28	RATTRAPAGE
29	171739068655	6.5	9.6	7.74	NORMALE
30	171739068710	7.5	10.6	8.74	NORMALE
31	201539076337	4.5	6.4	5.26	NORMALE
32	171739068638	6.0	8.2	6.88	NORMALE
33	171739064735	5.0	8.8	6.52	NORMALE
34	2199931457	4.5	6.4	5.26	NORMALE
35	161639075790	6.0	6.4	6.16	NORMALE
36	181539069154	0.0	0.0	0.0	NORMALE
37	171739068648	13.0	12.0	12.6	NORMALE
38	21039051695	5.0	11.4	7.56	NORMALE
39	20109042652	6.5	12.0	8.7	NORMALE
40	171739080818	8.5	9.2	8.78	NORMALE
41	171739065623	5.5	8.9	6.86	NORMALE

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Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: Commande non linéaire / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739064500	10.0	12.2	10.88	NORMALE
2	171739064638	8.0	9.8	8.72	NORMALE
3	161639065837	7.0	9.2	7.88	RATTRAPAGE
4	171739071291	6.5	7.4	6.86	RATTRAPAGE
5	171739072228	7.0	9.2	7.88	NORMALE
6	171739069673	8.0	10.0	8.8	NORMALE
7	161639065468	6.0	9.8	7.52	NORMALE
8	181439062744	6.0	7.4	6.56	RATTRAPAGE
9	171739067668	4.5	8.6	6.14	NORMALE
10	171739071142	5.0	8.8	6.52	RATTRAPAGE
11	161639054697	9.0	8.4	8.76	NORMALE
12	171739069582	7.0	10.4	8.36	NORMALE
13	171739065445	6.0	9.2	7.28	RATTRAPAGE
14	171739064736	5.5	9.0	6.9	RATTRAPAGE
15	171739075649	4.5	7.0	5.5	NORMALE
16	171739064620	6.0	9.8	7.52	NORMALE
17	171739070789	5.5	11.6	7.94	NORMALE
18	171739066299	7.0	9.8	8.12	RATTRAPAGE
19	171739065656	7.0	7.0	7.0	RATTRAPAGE
20	171739070580	4.5	11.6	7.34	NORMALE
21	21089055691	0.0	3.5	1.4	NORMALE
22	161639077339	0.0	8.4	3.36	NORMALE
23	161639068385	6.0	6.0	6.0	RATTRAPAGE
24	161739081072	4.5	9.2	6.38	NORMALE
25	171739071374	6.5	8.6	7.34	NORMALE
26	171739073521	5.0	8.8	6.52	NORMALE
27	161639071869	4.0	11.2	6.88	NORMALE
28	2199929692	5.0	9.8	6.92	NORMALE
29	171739068189	6.5	8.0	7.1	NORMALE
30	21039049223	6.0	10.4	7.76	NORMALE
31	21039047798	5.0	9.8	6.92	NORMALE
32	171739071293	4.5	7.6	5.74	NORMALE
33	171739065432	6.5	10.4	8.06	RATTRAPAGE
34	171739068369	5.5	7.4	6.26	NORMALE
35	201339049168	5.5	5.6	5.54	RATTRAPAGE
36	21089055644	0.0	0.0	0.0	NORMALE
37	181539069121	4.0	5.2	4.48	RATTRAPAGE
38	171739071290	5.5	9.4	7.06	NORMALE
39	171739068489	11.0	10.4	10.76	NORMALE
40	171739082180	5.0	8.0	6.2	RATTRAPAGE
41	171739068391	10.5	10.4	10.46	NORMALE

Signature de l'enseignant:

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Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: Machines spéciales / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	2096352360	18.0	0.0	18.0	NORMALE
2	20119044876	14.0	0.0	14.0	NORMALE
3	161639075756	19.0	0.0	19.0	NORMALE
4	21039040501	15.0	0.0	15.0	NORMALE
5	141431029303	10.5	0.0	10.5	NORMALE
6	161639078144	15.0	0.0	15.0	NORMALE
7	171739071288	2.5	0.0	2.5	NORMALE
8	171739073213	6.5	0.0	6.5	NORMALE
9	2099935420	6.0	0.0	6.0	NORMALE
10	171739068654	5.5	0.0	5.5	NORMALE
11	171539070503	11.0	0.0	11.0	NORMALE
12	161539066951	19.0	0.0	19.0	NORMALE
13	171739064498	11.5	0.0	11.5	NORMALE
14	171739081697	10.0	0.0	10.0	NORMALE
15	171739065281	5.0	0.0	5.0	NORMALE
16	171739070542	8.0	0.0	8.0	NORMALE
17	171739076218	11.0	0.0	11.0	NORMALE
18	171739069606	11.5	0.0	11.5	NORMALE
19	21099050883	0.0	0.0	0.0	NORMALE
20	171739070632	3.5	0.0	3.5	NORMALE
21	21941249012	18.0	0.0	18.0	NORMALE
22	171739073691	18.0	0.0	18.0	NORMALE
23	171739065470	8.0	0.0	8.0	NORMALE
24	171739068254	13.0	0.0	13.0	NORMALE
25	171739069057	18.0	0.0	18.0	NORMALE
26	161539070477	13.0	0.0	13.0	NORMALE
27	161639075698	17.0	0.0	17.0	NORMALE
28	171739068443	4.0	0.0	4.0	NORMALE
29	171739068655	4.0	0.0	4.0	NORMALE
30	171739068710	17.0	0.0	17.0	NORMALE
31	201539076337	11.0	0.0	11.0	NORMALE
32	171739068638	16.5	0.0	16.5	NORMALE
33	171739064735	13.0	0.0	13.0	NORMALE
34	2199931457	9.5	0.0	9.5	NORMALE
35	161639075790	18.0	0.0	18.0	NORMALE
36	181539069154	5.0	0.0	5.0	NORMALE
37	171739068648	19.0	0.0	19.0	NORMALE
38	21039051695	3.0	0.0	3.0	RATTRAPAGE
39	20109042652	18.0	0.0	18.0	NORMALE
40	171739080818	18.5	0.0	18.5	NORMALE
41	171739065623	15.0	0.0	15.0	NORMALE

Signature de l'enseignant:

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Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: Machines spéciales / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739064500	16.5	0.0	16.5	NORMALE
2	171739064638	16.5	0.0	16.5	NORMALE
3	161639065837	14.0	0.0	14.0	RATTRAPAGE
4	171739071291	4.0	0.0	4.0	RATTRAPAGE
5	171739072228	3.0	0.0	3.0	RATTRAPAGE
6	171739069673	14.5	0.0	14.5	NORMALE
7	161639065468	14.5	0.0	14.5	NORMALE
8	181439062744	11.5	0.0	11.5	NORMALE
9	171739067668	9.5	0.0	9.5	NORMALE
10	171739071142	5.0	0.0	5.0	NORMALE
11	161639054697	4.0	0.0	4.0	NORMALE
12	171739069582	16.5	0.0	16.5	NORMALE
13	171739065445	4.5	0.0	4.5	NORMALE
14	171739064736	10.0	0.0	10.0	RATTRAPAGE
15	171739075649	5.5	0.0	5.5	NORMALE
16	171739064620	16.5	0.0	16.5	NORMALE
17	171739070789	16.5	0.0	16.5	NORMALE
18	171739066299	2.5	0.0	2.5	NORMALE
19	171739065656	3.0	0.0	3.0	NORMALE
20	171739070580	11.0	0.0	11.0	NORMALE
21	21089055691	0.0	0.0	0.0	NORMALE
22	161639077339	10.0	0.0	10.0	NORMALE
23	161639068385	13.0	0.0	13.0	NORMALE
24	161739081072	14.5	0.0	14.5	NORMALE
25	171739071374	4.0	0.0	4.0	NORMALE
26	171739073521	12.5	0.0	12.5	NORMALE
27	161639071869	2.0	0.0	2.0	RATTRAPAGE
28	2199929692	16.5	0.0	16.5	NORMALE
29	171739068189	10.5	0.0	10.5	NORMALE
30	21039049223	15.5	0.0	15.5	NORMALE
31	21039047798	11.0	0.0	11.0	NORMALE
32	171739071293	5.0	0.0	5.0	NORMALE
33	171739065432	11.5	0.0	11.5	NORMALE
34	171739068369	12.5	0.0	12.5	NORMALE
35	201339049168	2.0	0.0	2.0	NORMALE
36	21089055644	0.0	0.0	0.0	NORMALE
37	181539069121	0.0	0.0	0.0	NORMALE
38	171739071290	11.5	0.0	11.5	NORMALE
39	171739068489	15.0	0.0	15.0	NORMALE
40	171739082180	1.0	0.0	1.0	NORMALE
41	171739068391	13.0	0.0	13.0	NORMALE

Signature de l'enseignant:

Le:

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2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	2096352360	11.0	0.0	11.0	NORMALE
2	20119044876	10.0	0.0	10.0	NORMALE
3	161639075756	6.0	0.0	6.0	NORMALE
4	21039040501	14.0	0.0	14.0	NORMALE
5	141431029303	13.0	0.0	13.0	NORMALE
6	161639078144	16.0	0.0	16.0	NORMALE
7	171739071288	20.0	0.0	20.0	NORMALE
8	171739073213	10.0	0.0	10.0	NORMALE
9	2099935420	12.0	0.0	12.0	RATTRAPAGE
10	171739068654	10.0	0.0	10.0	NORMALE
11	171539070503	13.0	0.0	13.0	NORMALE
12	161539066951	16.0	0.0	16.0	NORMALE
13	171739064498	12.0	0.0	12.0	NORMALE
14	171739081697	8.0	0.0	8.0	NORMALE
15	171739065281	14.0	0.0	14.0	NORMALE
16	171739070542	19.0	0.0	19.0	NORMALE
17	171739076218	8.0	0.0	8.0	NORMALE
18	171739069606	10.0	0.0	10.0	NORMALE
19	21099050883	0.0	0.0	0.0	NORMALE
20	171739070632	14.0	0.0	14.0	NORMALE
21	21941249012	12.0	0.0	12.0	NORMALE
22	171739073691	13.0	0.0	13.0	NORMALE
23	171739065470	10.0	0.0	10.0	NORMALE
24	171739068254	8.0	0.0	8.0	NORMALE
25	171739069057	14.0	0.0	14.0	NORMALE
26	161539070477	10.0	0.0	10.0	NORMALE
27	161639075698	5.0	0.0	5.0	NORMALE
28	171739068443	15.0	0.0	15.0	NORMALE
29	171739068655	10.0	0.0	10.0	NORMALE
30	171739068710	18.0	0.0	18.0	NORMALE
31	201539076337	5.0	0.0	5.0	NORMALE
32	171739068638	16.0	0.0	16.0	NORMALE
33	171739064735	16.0	0.0	16.0	NORMALE
34	2199931457	11.0	0.0	11.0	NORMALE
35	161639075790	8.0	0.0	8.0	NORMALE
36	181539069154	17.0	0.0	17.0	NORMALE
37	171739068648	12.0	0.0	12.0	NORMALE
38	21039051695	14.0	0.0	14.0	NORMALE
39	20109042652	10.0	0.0	10.0	NORMALE
40	171739080818	14.0	0.0	14.0	NORMALE
41	171739065623	10.0	0.0	10.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739064500	16.0	0.0	16.0	NORMALE
2	171739064638	12.0	0.0	12.0	NORMALE
3	161639065837	12.0	0.0	12.0	RATTRAPAGE
4	171739071291	10.0	0.0	10.0	NORMALE
5	171739072228	12.0	0.0	12.0	RATTRAPAGE
6	171739069673	12.0	0.0	12.0	NORMALE
7	161639065468	14.0	0.0	14.0	NORMALE
8	181439062744	14.0	0.0	14.0	RATTRAPAGE
9	171739067668	10.0	0.0	10.0	NORMALE
10	171739071142	10.0	0.0	10.0	NORMALE
11	161639054697	14.0	0.0	14.0	RATTRAPAGE
12	171739069582	10.0	0.0	10.0	NORMALE
13	171739065445	20.0	0.0	20.0	NORMALE
14	171739064736	10.0	0.0	10.0	NORMALE
15	171739075649	13.0	0.0	13.0	NORMALE
16	171739064620	14.0	0.0	14.0	RATTRAPAGE
17	171739070789	14.0	0.0	14.0	NORMALE
18	171739066299	14.0	0.0	14.0	RATTRAPAGE
19	171739065656	12.0	0.0	12.0	RATTRAPAGE
20	171739070580	10.0	0.0	10.0	NORMALE
21	21089055691	2.0	0.0	2.0	NORMALE
22	161639077339	14.0	0.0	14.0	NORMALE
23	161639068385	20.0	0.0	20.0	NORMALE
24	161739081072	10.0	0.0	10.0	NORMALE
25	171739071374	12.0	0.0	12.0	NORMALE
26	171739073521	12.0	0.0	12.0	NORMALE
27	161639071869	14.0	0.0	14.0	RATTRAPAGE
28	2199929692	14.0	0.0	14.0	NORMALE
29	171739068189	8.0	0.0	8.0	NORMALE
30	21039049223	13.0	0.0	13.0	NORMALE
31	21039047798	13.0	0.0	13.0	NORMALE
32	171739071293	10.0	0.0	10.0	NORMALE
33	171739065432	12.0	0.0	12.0	NORMALE
34	171739068369	10.0	0.0	10.0	NORMALE
35	201339049168	20.0	0.0	20.0	NORMALE
36	21089055644	0.0	0.0	0.0	NORMALE
37	181539069121	0.0	0.0	0.0	NORMALE
38	171739071290	14.0	0.0	14.0	RATTRAPAGE
39	171739068489	14.0	0.0	14.0	NORMALE
40	171739082180	20.0	0.0	20.0	NORMALE
41	171739068391	14.0	0.0	14.0	NORMALE

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	2096352360	15.0	0.0	15.0	NORMALE
2	20119044876	17.0	0.0	17.0	NORMALE
3	161639075756	14.5	0.0	14.5	NORMALE
4	21039040501	15.5	0.0	15.5	NORMALE
5	141431029303	19.0	0.0	19.0	NORMALE
6	161639078144	15.5	0.0	15.5	NORMALE
7	171739071288	20.0	0.0	20.0	NORMALE
8	171739073213	20.0	0.0	20.0	NORMALE
9	2099935420	11.0	0.0	11.0	NORMALE
10	171739068654	10.0	0.0	10.0	RATTRAPAGE
11	171539070503	19.0	0.0	19.0	NORMALE
12	161539066951	18.0	0.0	18.0	NORMALE
13	171739064498	14.0	0.0	14.0	NORMALE
14	171739081697	16.0	0.0	16.0	NORMALE
15	171739065281	15.0	0.0	15.0	NORMALE
16	171739070542	19.0	0.0	19.0	NORMALE
17	171739076218	16.0	0.0	16.0	NORMALE
18	171739069606	15.0	0.0	15.0	NORMALE
19	21099050883	0.0	0.0	0.0	NORMALE
20	171739070632	15.0	0.0	15.0	NORMALE
21	21941249012	17.0	0.0	17.0	NORMALE
22	171739073691	17.0	0.0	17.0	NORMALE
23	171739065470	16.5	0.0	16.5	NORMALE
24	171739068254	16.0	0.0	16.0	NORMALE
25	171739069057	14.0	0.0	14.0	NORMALE
26	161539070477	14.0	0.0	14.0	NORMALE
27	161639075698	19.0	0.0	19.0	NORMALE
28	171739068443	16.0	0.0	16.0	NORMALE
29	171739068655	10.5	0.0	10.5	NORMALE
30	171739068710	14.0	0.0	14.0	NORMALE
31	201539076337	14.0	0.0	14.0	NORMALE
32	171739068638	15.0	0.0	15.0	NORMALE
33	171739064735	16.5	0.0	16.5	NORMALE
34	2199931457	17.0	0.0	17.0	NORMALE
35	161639075790	14.0	0.0	14.0	NORMALE
36	181539069154	12.0	0.0	12.0	NORMALE
37	171739068648	14.0	0.0	14.0	NORMALE
38	21039051695	19.0	0.0	19.0	NORMALE
39	20109042652	16.5	0.0	16.5	NORMALE
40	171739080818	18.5	0.0	18.5	NORMALE
41	171739065623	16.0	0.0	16.0	NORMALE

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Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739064500	17.0	0.0	17.0	NORMALE
2	171739064638	17.5	0.0	17.5	NORMALE
3	161639065837	19.0	0.0	19.0	NORMALE
4	171739071291	18.0	0.0	18.0	NORMALE
5	171739072228	18.0	0.0	18.0	NORMALE
6	171739069673	14.0	0.0	14.0	NORMALE
7	161639065468	16.0	0.0	16.0	NORMALE
8	181439062744	12.0	0.0	12.0	NORMALE
9	171739067668	14.0	0.0	14.0	NORMALE
10	171739071142	15.0	0.0	15.0	NORMALE
11	161639054697	12.5	0.0	12.5	NORMALE
12	171739069582	17.5	0.0	17.5	NORMALE
13	171739065445	20.0	0.0	20.0	NORMALE
14	171739064736	18.0	0.0	18.0	NORMALE
15	171739075649	19.0	0.0	19.0	NORMALE
16	171739064620	14.0	0.0	14.0	NORMALE
17	171739070789	17.0	0.0	17.0	NORMALE
18	171739066299	20.0	0.0	20.0	NORMALE
19	171739065656	13.0	0.0	13.0	NORMALE
20	171739070580	15.0	0.0	15.0	NORMALE
21	21089055691	13.0	0.0	13.0	NORMALE
22	161639077339	15.5	0.0	15.5	NORMALE
23	161639068385	20.0	0.0	20.0	NORMALE
24	161739081072	17.0	0.0	17.0	NORMALE
25	171739071374	18.0	0.0	18.0	NORMALE
26	171739073521	13.0	0.0	13.0	NORMALE
27	161639071869	20.0	0.0	20.0	NORMALE
28	2199929692	16.5	0.0	16.5	NORMALE
29	171739068189	12.0	0.0	12.0	NORMALE
30	21039049223	16.0	0.0	16.0	NORMALE
31	21039047798	18.0	0.0	18.0	NORMALE
32	171739071293	10.0	0.0	10.0	NORMALE
33	171739065432	12.5	0.0	12.5	NORMALE
34	171739068369	11.0	0.0	11.0	NORMALE
35	201339049168	20.0	0.0	20.0	NORMALE
36	21089055644	0.0	0.0	0.0	NORMALE
37	181539069121	10.0	0.0	10.0	NORMALE
38	171739071290	15.5	0.0	15.5	NORMALE
39	171739068489	16.0	0.0	16.0	NORMALE
40	171739082180	20.0	0.0	20.0	NORMALE
41	171739068391	14.0	0.0	14.0	NORMALE

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	2096352360	13.0	10.0	11.8	NORMALE
2	20119044876	2.5	5.0	3.5	RATTRAPAGE
3	161639075756	6.0	8.0	6.8	NORMALE
4	21039040501	12.5	9.0	11.1	NORMALE
5	141431029303	3.0	8.41	5.16	RATTRAPAGE
6	161639078144	5.0	8.0	6.2	RATTRAPAGE
7	171739071288	8.0	8.0	8.0	RATTRAPAGE
8	171739073213	5.0	8.0	6.2	RATTRAPAGE
9	2099935420	10.0	9.0	9.6	RATTRAPAGE
10	171739068654	9.5	12.01	10.5	NORMALE
11	171539070503	6.75	10.25	8.15	NORMALE
12	161539066951	18.0	13.7	16.28	NORMALE
13	171739064498	9.5	8.0	8.9	NORMALE
14	171739081697	11.0	8.0	9.8	RATTRAPAGE
15	171739065281	8.5	8.63	8.55	NORMALE
16	171739070542	8.0	10.25	8.9	RATTRAPAGE
17	171739076218	6.25	9.0	7.35	NORMALE
18	171739069606	12.0	11.15	11.66	RATTRAPAGE
19	21099050883	0.0	0.0	0.0	NORMALE
20	171739070632	3.5	8.0	5.3	NORMALE
21	21941249012	14.25	10.0	12.55	NORMALE
22	171739073691	16.25	10.0	13.75	NORMALE
23	171739065470	10.0	8.0	9.2	NORMALE
24	171739068254	3.0	11.9	6.56	NORMALE
25	171739069057	9.5	12.65	10.76	NORMALE
26	161539070477	8.0	10.0	8.8	NORMALE
27	161639075698	1.0	8.0	3.8	NORMALE
28	171739068443	5.5	8.58	6.73	NORMALE
29	171739068655	2.0	12.05	6.02	NORMALE
30	171739068710	11.25	16.55	13.37	NORMALE
31	201539076337	3.0	8.0	5.0	NORMALE
32	171739068638	9.25	12.95	10.73	NORMALE
33	171739064735	1.0	8.0	3.8	NORMALE
34	2199931457	9.0	8.0	8.6	NORMALE
35	161639075790	4.5	8.0	5.9	NORMALE
36	181539069154	7.0	0.0	4.2	RATTRAPAGE
37	171739068648	12.0	13.25	12.5	NORMALE
38	21039051695	6.0	10.0	7.6	RATTRAPAGE
39	20109042652	5.75	8.0	6.65	NORMALE
40	171739080818	13.0	9.0	11.4	NORMALE
41	171739065623	9.0	10.0	9.4	RATTRAPAGE

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739064500	13.25	11.0	12.35	NORMALE
2	171739064638	11.5	10.66	11.16	NORMALE
3	161639065837	3.0	8.0	5.0	RATTRAPAGE
4	171739071291	7.0	10.0	8.2	RATTRAPAGE
5	171739072228	5.0	8.0	6.2	RATTRAPAGE
6	171739069673	15.0	8.0	12.2	NORMALE
7	161639065468	13.0	11.28	12.31	NORMALE
8	181439062744	3.0	10.0	5.8	RATTRAPAGE
9	171739067668	5.5	12.05	8.12	NORMALE
10	171739071142	6.0	8.0	6.8	RATTRAPAGE
11	161639054697	8.0	9.36	8.54	RATTRAPAGE
12	171739069582	5.5	10.55	7.52	NORMALE
13	171739065445	4.25	9.03	6.16	NORMALE
14	171739064736	6.0	8.0	6.8	RATTRAPAGE
15	171739075649	5.0	8.0	6.2	RATTRAPAGE
16	171739064620	5.5	8.43	6.67	RATTRAPAGE
17	171739070789	11.5	12.35	11.84	NORMALE
18	171739066299	5.25	8.76	6.65	NORMALE
19	171739065656	7.5	8.0	7.7	NORMALE
20	171739070580	7.75	10.0	8.65	NORMALE
21	21089055691	1.0	2.0	1.4	NORMALE
22	161639077339	10.5	11.15	10.76	NORMALE
23	161639068385	5.0	4.08	4.63	RATTRAPAGE
24	161739081072	8.5	10.38	9.25	NORMALE
25	171739071374	3.5	8.0	5.3	NORMALE
26	171739073521	5.0	8.0	6.2	NORMALE
27	161639071869	10.0	9.0	9.6	NORMALE
28	2199929692	5.5	9.0	6.9	NORMALE
29	171739068189	7.0	10.0	8.2	NORMALE
30	21039049223	11.25	10.0	10.75	NORMALE
31	21039047798	8.5	10.0	9.1	NORMALE
32	171739071293	9.0	8.0	8.6	RATTRAPAGE
33	171739065432	3.0	8.0	5.0	RATTRAPAGE
34	171739068369	4.75	10.38	7.0	NORMALE
35	201339049168	10.5	8.0	9.5	NORMALE
36	21089055644	0.0	0.0	0.0	NORMALE
37	181539069121	1.0	9.0	4.2	NORMALE
38	171739071290	5.5	10.0	7.3	NORMALE
39	171739068489	15.5	10.0	13.3	NORMALE
40	171739082180	5.0	8.0	6.2	NORMALE
41	171739068391	5.0	12.68	8.07	NORMALE

Signature de l'enseignant:

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Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

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

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

**PV de délibération par matière (Session Rattrapage)**

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



2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP Commande non linéaire / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

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

Signature de l'enseignant:

Le:

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP Commande non linéaire / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

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

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP commandes avancées / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

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

Signature de l'enseignant:

Le:

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2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP commandes avancées / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

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

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP programmation des API / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

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

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP programmation des API / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

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

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP Technique d'intelligence artificielle/TP Implémentation d'une commande numérique en temps réel / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

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

2021/2022

Filière: electrotechnique  
commandes électriques

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: TP Technique d'intelligence artificielle/TP Implémentation d'une commande numérique en temps réel / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

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