



2021/2022

Filière: génie mécanique
Energétique

Matière: Cryogénie / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	6.5	0.0	6.5	NORMALE
2	191939064468	1.0	0.0	1.0	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	3.0	0.0	3.0	NORMALE
5	191939067943	8.0	0.0	8.0	NORMALE
6	191939073130	4.0	0.0	4.0	NORMALE
7	181839068209	8.0	0.0	8.0	NORMALE
8	181839068227	2.0	0.0	2.0	NORMALE
9	191939067981	4.5	0.0	4.5	NORMALE
10	181839068454	2.0	0.0	2.0	NORMALE
11	181839063191	9.5	0.0	9.5	NORMALE
12	191939066791	12.0	0.0	12.0	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	15.5	0.0	15.5	NORMALE
15	161639077207	13.0	0.0	13.0	NORMALE
16	191939067966	2.0	0.0	2.0	NORMALE
17	181839069883	2.0	0.0	2.0	NORMALE
18	191939068404	11.0	0.0	11.0	NORMALE
19	191939069703	2.5	0.0	2.5	NORMALE
20	171739067225	17.5	0.0	17.5	NORMALE
21	181839069001	1.0	0.0	1.0	NORMALE
22	19109042483	1.0	0.0	1.0	NORMALE
23	161339047191	10.0	0.0	10.0	NORMALE
24	171731095738	11.0	0.0	11.0	NORMALE
25	21079051917	2.25	0.0	2.25	NORMALE
26	181839063170	15.5	0.0	15.5	NORMALE
27	181839073434	10.0	0.0	10.0	NORMALE
28	161439060304	12.0	0.0	12.0	NORMALE
29	191939065951	1.0	0.0	1.0	NORMALE
30	171739081487	17.0	0.0	17.0	NORMALE
31	191939066294	3.0	0.0	3.0	NORMALE
32	181839069352	2.0	0.0	2.0	NORMALE
33	191939065003	6.0	0.0	6.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Cryogénie / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	13.0	0.0	13.0	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	15.0	0.0	15.0	NORMALE
4	21932301784	13.0	0.0	13.0	NORMALE
5	181839073368	12.0	0.0	12.0	NORMALE
6	181839070140	8.0	0.0	8.0	NORMALE
7	191939071227	11.0	0.0	11.0	NORMALE
8	171739063614	7.0	0.0	7.0	NORMALE
9	181839065365	2.5	0.0	2.5	NORMALE
10	161639083684	14.0	0.0	14.0	NORMALE
11	181839068420	1.0	0.0	1.0	NORMALE
12	181839064507	15.0	0.0	15.0	NORMALE
13	181839067129	13.0	0.0	13.0	NORMALE
14	161539070969	11.5	0.0	11.5	NORMALE
15	181839069389	10.0	0.0	10.0	NORMALE
16	21054125750	9.0	0.0	9.0	NORMALE
17	171539078987	1.0	0.0	1.0	NORMALE
18	181839072204	10.0	0.0	10.0	NORMALE
19	191939065926	6.5	0.0	6.5	NORMALE
20	181839065338	1.5	0.0	1.5	NORMALE
21	181839066386	0.0	0.0	0.0	NORMALE
22	181839066377	13.0	0.0	13.0	NORMALE
23	181839067926	4.0	0.0	4.0	NORMALE
24	171739070680	2.0	0.0	2.0	NORMALE
25	181839053612	1.0	0.0	1.0	NORMALE
26	161639075872	1.0	0.0	1.0	NORMALE
27	2199926967	14.0	0.0	14.0	NORMALE
28	191939073157	9.0	0.0	9.0	NORMALE
29	191939064241	9.75	0.0	9.75	NORMALE
30	181839071576	14.5	0.0	14.5	NORMALE
31	181839063979	1.0	0.0	1.0	NORMALE
32	171739071905	2.0	0.0	2.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Cryogénie / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	3.0	0.0	3.0	NORMALE
2	191939071343	6.5	0.0	6.5	NORMALE
3	171739070507	0.0	0.0	0.0	NORMALE
4	181839065641	3.5	0.0	3.5	NORMALE
5	171739075704	10.0	0.0	10.0	NORMALE
6	161739082246	1.0	0.0	1.0	NORMALE
7	181839064895	7.5	0.0	7.5	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	0.0	0.0	0.0	NORMALE
10	191939067938	1.0	0.0	1.0	NORMALE
11	181839067106	1.0	0.0	1.0	NORMALE
12	2199925154	15.0	0.0	15.0	NORMALE
13	191939068765	7.75	0.0	7.75	NORMALE
14	181839065691	4.25	0.0	4.25	NORMALE
15	181839066507	2.25	0.0	2.25	NORMALE
16	181839067927	13.0	0.0	13.0	NORMALE
17	181839066524	12.5	0.0	12.5	NORMALE
18	171739071371	10.5	0.0	10.5	NORMALE
19	191939065087	7.0	0.0	7.0	NORMALE
20	161639069038	10.0	0.0	10.0	NORMALE
21	181839065670	7.0	0.0	7.0	NORMALE
22	181839071437	1.0	0.0	1.0	NORMALE
23	171739081668	12.0	0.0	12.0	NORMALE
24	191939073082	6.5	0.0	6.5	NORMALE
25	171739074204	11.0	0.0	11.0	NORMALE
26	181839068985	12.5	0.0	12.5	NORMALE
27	171739065522	12.0	0.0	12.0	NORMALE
28	181839071536	1.0	0.0	1.0	NORMALE
29	2199325295	13.5	0.0	13.5	NORMALE
30	191939079679	2.5	0.0	2.5	NORMALE
31	171739076725	7.25	0.0	7.25	NORMALE
32	161639070164	2.75	0.0	2.75	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Cryogénie / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	10.0	0.0	10.0	NORMALE
2	161639069705	10.0	0.0	10.0	NORMALE
3	181839073303	10.5	0.0	10.5	NORMALE
4	20069040952	4.5	0.0	4.5	NORMALE
5	171739071885	10.0	0.0	10.0	NORMALE
6	161439066307	14.0	0.0	14.0	NORMALE
7	171739064660	20.0	0.0	20.0	NORMALE
8	181839070222	12.5	0.0	12.5	NORMALE
9	181839065599	2.5	0.0	2.5	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	8.5	0.0	8.5	NORMALE
12	171739064214	7.0	0.0	7.0	NORMALE
13	181839068975	3.0	0.0	3.0	NORMALE
14	191939068372	1.0	0.0	1.0	NORMALE
15	21099043698	3.0	0.0	3.0	NORMALE
16	191939069745	8.0	0.0	8.0	NORMALE
17	171739067077	10.0	0.0	10.0	NORMALE
18	191939065200	7.0	0.0	7.0	NORMALE
19	21039049682	9.75	0.0	9.75	NORMALE
20	191939073497	2.0	0.0	2.0	NORMALE
21	181839068450	1.5	0.0	1.5	NORMALE
22	181839068274	1.0	0.0	1.0	NORMALE
23	181839069871	1.0	0.0	1.0	NORMALE
24	171739072238	2.5	0.0	2.5	NORMALE
25	191939068046	11.0	0.0	11.0	NORMALE
26	191939067163	1.0	0.0	1.0	NORMALE
27	191939070937	5.5	0.0	5.5	NORMALE
28	2198805811	11.0	0.0	11.0	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	6.0	0.0	6.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Energies renouvelables / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	10.0	0.0	10.0	NORMALE
2	191939064468	8.5	0.0	8.5	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	10.0	0.0	10.0	NORMALE
5	191939067943	9.0	0.0	9.0	NORMALE
6	191939073130	10.0	0.0	10.0	NORMALE
7	181839068209	11.0	0.0	11.0	NORMALE
8	181839068227	10.5	0.0	10.5	NORMALE
9	191939067981	8.5	0.0	8.5	NORMALE
10	181839068454	10.0	0.0	10.0	NORMALE
11	181839063191	11.0	0.0	11.0	NORMALE
12	191939066791	14.0	0.0	14.0	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	10.0	0.0	10.0	NORMALE
15	161639077207	7.5	0.0	7.5	NORMALE
16	191939067966	12.0	0.0	12.0	NORMALE
17	181839069883	8.0	0.0	8.0	NORMALE
18	191939068404	11.5	0.0	11.5	NORMALE
19	191939069703	11.5	0.0	11.5	NORMALE
20	171739067225	11.75	0.0	11.75	NORMALE
21	181839069001	10.25	0.0	10.25	NORMALE
22	19109042483	10.0	0.0	10.0	NORMALE
23	161339047191	10.75	0.0	10.75	NORMALE
24	171731095738	10.5	0.0	10.5	NORMALE
25	21079051917	11.0	0.0	11.0	NORMALE
26	181839063170	12.25	0.0	12.25	NORMALE
27	181839073434	12.75	0.0	12.75	NORMALE
28	161439060304	12.0	0.0	12.0	NORMALE
29	191939065951	10.0	0.0	10.0	NORMALE
30	171739081487	11.5	0.0	11.5	NORMALE
31	191939066294	10.0	0.0	10.0	NORMALE
32	181839069352	9.0	0.0	9.0	NORMALE
33	191939065003	5.0	0.0	5.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Energies renouvelables / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	16.0	0.0	16.0	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	7.5	0.0	7.5	NORMALE
4	21932301784	15.5	0.0	15.5	NORMALE
5	181839073368	10.0	0.0	10.0	NORMALE
6	181839070140	12.5	0.0	12.5	NORMALE
7	191939071227	8.5	0.0	8.5	NORMALE
8	171739063614	11.0	0.0	11.0	NORMALE
9	181839065365	11.5	0.0	11.5	NORMALE
10	161639083684	11.0	0.0	11.0	NORMALE
11	181839068420	10.0	0.0	10.0	NORMALE
12	181839064507	11.0	0.0	11.0	NORMALE
13	181839067129	10.0	0.0	10.0	NORMALE
14	161539070969	11.0	0.0	11.0	NORMALE
15	181839069389	14.5	0.0	14.5	NORMALE
16	21054125750	12.0	0.0	12.0	NORMALE
17	171539078987	0.0	0.0	0.0	NORMALE
18	181839072204	14.0	0.0	14.0	NORMALE
19	191939065926	12.5	0.0	12.5	NORMALE
20	181839065338	0.0	0.0	0.0	NORMALE
21	181839066386	0.0	0.0	0.0	NORMALE
22	181839066377	17.5	0.0	17.5	NORMALE
23	181839067926	10.0	0.0	10.0	NORMALE
24	171739070680	10.0	0.0	10.0	NORMALE
25	181839053612	13.0	0.0	13.0	NORMALE
26	161639075872	15.5	0.0	15.5	NORMALE
27	2199926967	11.5	0.0	11.5	NORMALE
28	191939073157	11.0	0.0	11.0	NORMALE
29	191939064241	9.5	0.0	9.5	NORMALE
30	181839071576	10.5	0.0	10.5	NORMALE
31	181839063979	10.5	0.0	10.5	NORMALE
32	171739071905	11.0	0.0	11.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Energies renouvelables / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	12.0	0.0	12.0	NORMALE
2	191939071343	12.0	0.0	12.0	NORMALE
3	171739070507	0.0	0.0	0.0	NORMALE
4	181839065641	8.5	0.0	8.5	NORMALE
5	171739075704	10.75	0.0	10.75	NORMALE
6	161739082246	10.5	0.0	10.5	NORMALE
7	181839064895	12.75	0.0	12.75	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	12.0	0.0	12.0	NORMALE
10	191939067938	9.0	0.0	9.0	NORMALE
11	181839067106	10.5	0.0	10.5	NORMALE
12	2199925154	12.5	0.0	12.5	NORMALE
13	191939068765	9.5	0.0	9.5	NORMALE
14	181839065691	1.0	0.0	1.0	NORMALE
15	181839066507	8.0	0.0	8.0	NORMALE
16	181839067927	10.5	0.0	10.5	NORMALE
17	181839066524	8.5	0.0	8.5	NORMALE
18	171739071371	12.5	0.0	12.5	NORMALE
19	191939065087	9.0	0.0	9.0	NORMALE
20	161639069038	10.5	0.0	10.5	NORMALE
21	181839065670	11.0	0.0	11.0	NORMALE
22	181839071437	11.0	0.0	11.0	NORMALE
23	171739081668	15.0	0.0	15.0	NORMALE
24	191939073082	10.0	0.0	10.0	NORMALE
25	171739074204	10.5	0.0	10.5	NORMALE
26	181839068985	9.0	0.0	9.0	NORMALE
27	171739065522	10.5	0.0	10.5	NORMALE
28	181839071536	9.5	0.0	9.5	NORMALE
29	2199325295	15.5	0.0	15.5	NORMALE
30	191939079679	11.0	0.0	11.0	NORMALE
31	171739076725	10.0	0.0	10.0	NORMALE
32	161639070164	11.5	0.0	11.5	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Energies renouvelables / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	8.5	0.0	8.5	NORMALE
2	161639069705	10.0	0.0	10.0	NORMALE
3	181839073303	10.25	0.0	10.25	NORMALE
4	20069040952	12.5	0.0	12.5	NORMALE
5	171739071885	0.0	0.0	0.0	NORMALE
6	161439066307	10.25	0.0	10.25	NORMALE
7	171739064660	20.0	0.0	20.0	NORMALE
8	181839070222	7.5	0.0	7.5	NORMALE
9	181839065599	11.0	0.0	11.0	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	11.0	0.0	11.0	NORMALE
12	171739064214	10.0	0.0	10.0	NORMALE
13	181839068975	9.0	0.0	9.0	NORMALE
14	191939068372	10.0	0.0	10.0	NORMALE
15	21099043698	9.0	0.0	9.0	NORMALE
16	191939069745	9.5	0.0	9.5	NORMALE
17	171739067077	10.0	0.0	10.0	NORMALE
18	191939065200	11.0	0.0	11.0	NORMALE
19	21039049682	12.0	0.0	12.0	NORMALE
20	191939073497	9.5	0.0	9.5	NORMALE
21	181839068450	9.5	0.0	9.5	NORMALE
22	181839068274	11.0	0.0	11.0	NORMALE
23	181839069871	10.0	0.0	10.0	NORMALE
24	171739072238	13.0	0.0	13.0	NORMALE
25	191939068046	10.0	0.0	10.0	NORMALE
26	191939067163	9.0	0.0	9.0	NORMALE
27	191939070937	10.0	0.0	10.0	NORMALE
28	2198805811	12.0	0.0	12.0	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	11.0	0.0	11.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: machines frigorifique et pompes à chaleur / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	11.0	9.4	10.36	NORMALE
2	191939064468	7.0	6.68	6.87	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	2.0	5.08	3.23	NORMALE
5	191939067943	5.0	5.68	5.27	NORMALE
6	191939073130	8.0	8.0	8.0	NORMALE
7	181839068209	15.0	12.8	14.12	NORMALE
8	181839068227	7.5	5.28	6.61	NORMALE
9	191939067981	7.5	7.55	7.52	NORMALE
10	181839068454	2.0	6.6	3.84	NORMALE
11	181839063191	17.5	13.6	15.94	NORMALE
12	191939066791	4.5	8.35	6.04	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	0.0	0.0	0.0	NORMALE
15	161639077207	1.0	4.75	2.5	NORMALE
16	191939067966	3.5	5.8	4.42	NORMALE
17	181839069883	5.0	7.2	5.88	NORMALE
18	191939068404	8.0	9.18	8.47	NORMALE
19	191939069703	2.0	9.7	5.08	NORMALE
20	171739067225	14.68	14.68	14.68	NORMALE
21	181839069001	0.0	0.0	0.0	NORMALE
22	19109042483	3.5	0.0	2.1	NORMALE
23	161339047191	8.26	8.26	8.26	NORMALE
24	171731095738	6.0	0.5	3.8	NORMALE
25	21079051917	5.0	8.5	6.4	NORMALE
26	181839063170	11.32	11.32	11.32	NORMALE
27	181839073434	0.0	0.0	0.0	NORMALE
28	161439060304	5.0	5.0	5.0	NORMALE
29	191939065951	1.0	0.5	0.8	NORMALE
30	171739081487	0.0	0.0	0.0	NORMALE
31	191939066294	11.5	7.9	10.06	NORMALE
32	181839069352	3.5	8.2	5.38	NORMALE
33	191939065003	7.0	5.58	6.43	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: machines frigorifique et pompes à chaleur / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	6.6	6.6	6.6	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	6.5	9.18	7.57	NORMALE
4	21932301784	15.5	8.4	12.66	NORMALE
5	181839073368	7.5	10.55	8.72	NORMALE
6	181839070140	7.0	9.18	7.87	NORMALE
7	191939071227	10.5	10.0	10.3	NORMALE
8	171739063614	5.5	9.5	7.1	NORMALE
9	181839065365	1.5	1.18	1.37	NORMALE
10	161639083684	0.0	0.0	0.0	NORMALE
11	181839068420	1.0	5.18	2.67	NORMALE
12	181839064507	0.0	8.0	3.2	NORMALE
13	181839067129	0.25	1.4	0.71	NORMALE
14	161539070969	2.0	0.0	1.2	NORMALE
15	181839069389	3.0	5.0	3.8	NORMALE
16	21054125750	6.5	8.3	7.22	NORMALE
17	171539078987	0.25	0.0	0.15	NORMALE
18	181839072204	4.5	6.18	5.17	NORMALE
19	191939065926	3.0	6.18	4.27	NORMALE
20	181839065338	1.5	1.4	1.46	NORMALE
21	181839066386	0.0	3.5	1.4	NORMALE
22	181839066377	4.0	3.6	3.84	NORMALE
23	181839067926	2.0	0.0	1.2	NORMALE
24	171739070680	0.5	0.68	0.57	NORMALE
25	181839053612	6.0	9.18	7.27	NORMALE
26	161639075872	2.0	0.0	1.2	NORMALE
27	2199926967	10.0	16.6	12.64	NORMALE
28	191939073157	10.0	16.3	12.52	NORMALE
29	191939064241	10.0	13.5	11.4	NORMALE
30	181839071576	1.5	5.18	2.97	NORMALE
31	181839063979	0.25	3.3	1.47	NORMALE
32	171739071905	6.0	9.0	7.2	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: machines frigorifique et pompes à chaleur / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	3.0	8.0	5.0	NORMALE
2	191939071343	2.0	6.18	3.67	NORMALE
3	171739070507	10.16	10.16	10.16	NORMALE
4	181839065641	5.5	5.68	5.57	NORMALE
5	171739075704	10.0	10.4	10.16	NORMALE
6	161739082246	0.0	0.0	0.0	NORMALE
7	181839064895	0.0	0.0	0.0	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	7.0	7.7	7.28	NORMALE
10	191939067938	3.0	7.3	4.72	NORMALE
11	181839067106	0.25	6.15	2.61	NORMALE
12	2199925154	10.0	14.2	11.68	NORMALE
13	191939068765	11.0	9.5	10.4	NORMALE
14	181839065691	3.0	5.85	4.14	NORMALE
15	181839066507	2.0	6.08	3.63	NORMALE
16	181839067927	8.38	8.38	8.38	NORMALE
17	181839066524	5.0	10.3	7.12	NORMALE
18	171739071371	3.0	10.9	6.16	NORMALE
19	191939065087	9.0	9.9	9.36	NORMALE
20	161639069038	1.0	5.85	2.94	NORMALE
21	181839065670	6.5	5.38	6.05	NORMALE
22	181839071437	8.0	8.3	8.12	NORMALE
23	171739081668	3.4	3.4	3.4	NORMALE
24	191939073082	8.0	9.0	8.4	NORMALE
25	171739074204	3.5	0.68	2.37	NORMALE
26	181839068985	10.0	6.7	8.68	NORMALE
27	171739065522	0.25	0.0	0.15	NORMALE
28	181839071536	1.0	6.18	3.07	NORMALE
29	2199325295	16.0	15.4	15.76	NORMALE
30	191939079679	3.5	1.7	2.78	NORMALE
31	171739076725	5.0	8.2	6.28	NORMALE
32	161639070164	5.0	8.0	6.2	NORMALE

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Le:

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Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: machines frigorifique et pompes à chaleur / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	0.25	0.5	0.35	NORMALE
2	161639069705	10.0	12.1	10.84	NORMALE
3	181839073303	11.64	11.64	11.64	NORMALE
4	20069040952	3.0	0.0	1.8	NORMALE
5	171739071885	3.5	4.2	3.78	NORMALE
6	161439066307	9.54	9.54	9.54	NORMALE
7	171739064660	3.4	3.4	3.4	NORMALE
8	181839070222	14.5	9.05	12.32	NORMALE
9	181839065599	2.0	5.38	3.35	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	14.5	13.9	14.26	NORMALE
12	171739064214	2.0	9.0	4.8	NORMALE
13	181839068975	11.2	11.2	11.2	NORMALE
14	191939068372	3.0	3.55	3.22	NORMALE
15	21099043698	8.5	10.5	9.3	NORMALE
16	191939069745	12.0	13.5	12.6	NORMALE
17	171739067077	1.5	1.0	1.3	NORMALE
18	191939065200	7.0	9.0	7.8	NORMALE
19	21039049682	12.0	14.85	13.14	NORMALE
20	191939073497	8.5	7.75	8.2	NORMALE
21	181839068450	8.5	6.9	7.86	NORMALE
22	181839068274	4.0	5.1	4.44	NORMALE
23	181839069871	1.5	0.18	0.97	NORMALE
24	171739072238	7.0	9.7	8.08	NORMALE
25	191939068046	15.5	11.25	13.8	NORMALE
26	191939067163	2.5	8.2	4.78	NORMALE
27	191939070937	6.5	10.45	8.08	NORMALE
28	2198805811	8.0	13.2	10.08	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	7.0	9.15	7.86	NORMALE

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Le:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Moteur à combustion interne / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	5.0	10.0	7.0	NORMALE
2	191939064468	10.0	10.0	10.0	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	2.0	8.5	4.6	NORMALE
5	191939067943	4.0	4.0	4.0	NORMALE
6	191939073130	7.0	10.0	8.2	NORMALE
7	181839068209	11.0	14.0	12.2	NORMALE
8	181839068227	4.0	12.25	7.3	NORMALE
9	191939067981	8.0	6.0	7.2	NORMALE
10	181839068454	1.0	1.0	1.0	NORMALE
11	181839063191	16.0	15.5	15.8	NORMALE
12	191939066791	10.0	10.0	10.0	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	0.0	0.0	0.0	NORMALE
15	161639077207	3.0	5.0	3.8	NORMALE
16	191939067966	3.0	10.0	5.8	NORMALE
17	181839069883	2.0	5.0	3.2	NORMALE
18	191939068404	7.0	2.5	5.2	NORMALE
19	191939069703	1.0	2.0	1.4	NORMALE
20	171739067225	10.6	10.6	10.6	NORMALE
21	181839069001	0.0	0.0	0.0	NORMALE
22	19109042483	2.0	0.0	1.2	NORMALE
23	161339047191	6.63	6.63	6.63	NORMALE
24	171731095738	6.0	6.0	6.0	NORMALE
25	21079051917	3.0	0.0	1.8	NORMALE
26	181839063170	4.0	5.0	4.4	NORMALE
27	181839073434	0.0	6.0	2.4	NORMALE
28	161439060304	8.5	8.5	8.5	NORMALE
29	191939065951	2.0	0.0	1.2	NORMALE
30	171739081487	0.0	2.0	0.8	NORMALE
31	191939066294	10.75	6.0	8.85	NORMALE
32	181839069352	2.0	2.5	2.2	NORMALE
33	191939065003	6.0	10.25	7.7	NORMALE

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Le:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Moteur à combustion interne / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	9.4	9.4	9.4	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	2.0	10.0	5.2	NORMALE
4	21932301784	12.0	14.0	12.8	NORMALE
5	181839073368	5.0	9.0	6.6	NORMALE
6	181839070140	1.0	10.0	4.6	NORMALE
7	191939071227	4.0	12.5	7.4	NORMALE
8	171739063614	3.0	8.0	5.0	NORMALE
9	181839065365	2.0	10.0	5.2	NORMALE
10	161639083684	12.1	12.1	12.1	NORMALE
11	181839068420	2.0	12.0	6.0	NORMALE
12	181839064507	2.0	10.0	5.2	NORMALE
13	181839067129	2.0	7.0	4.0	NORMALE
14	161539070969	1.0	0.0	0.6	NORMALE
15	181839069389	4.0	2.0	3.2	NORMALE
16	21054125750	3.0	7.0	4.6	NORMALE
17	171539078987	2.0	7.0	4.0	NORMALE
18	181839072204	2.0	7.0	4.0	NORMALE
19	191939065926	3.0	8.0	5.0	NORMALE
20	181839065338	1.0	7.0	3.4	NORMALE
21	181839066386	0.0	1.0	0.4	NORMALE
22	181839066377	2.0	9.5	5.0	NORMALE
23	181839067926	0.0	6.0	2.4	NORMALE
24	171739070680	1.0	5.0	2.6	NORMALE
25	181839053612	3.0	10.0	5.8	NORMALE
26	161639075872	1.0	9.0	4.2	NORMALE
27	2199926967	18.0	17.0	17.6	NORMALE
28	191939073157	7.0	11.0	8.6	NORMALE
29	191939064241	3.0	12.5	6.8	NORMALE
30	181839071576	3.0	7.0	4.6	NORMALE
31	181839063979	2.0	3.0	2.4	NORMALE
32	171739071905	5.0	9.0	6.6	NORMALE

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Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Moteur à combustion interne / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	2.0	8.5	4.6	NORMALE
2	191939071343	2.0	10.0	5.2	NORMALE
3	171739070507	1.0	2.5	1.6	NORMALE
4	181839065641	6.0	9.0	7.2	NORMALE
5	171739075704	1.0	1.0	1.0	NORMALE
6	161739082246	1.0	1.0	1.0	NORMALE
7	181839064895	0.0	0.0	0.0	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	0.25	12.0	4.95	NORMALE
10	191939067938	3.0	4.0	3.4	NORMALE
11	181839067106	2.0	2.0	2.0	NORMALE
12	2199925154	11.0	14.0	12.2	NORMALE
13	191939068765	11.0	15.0	12.6	NORMALE
14	181839065691	4.0	9.0	6.0	NORMALE
15	181839066507	2.0	2.0	2.0	NORMALE
16	181839067927	9.8	9.8	9.8	NORMALE
17	181839066524	4.0	8.0	5.6	NORMALE
18	171739071371	2.0	10.0	5.2	NORMALE
19	191939065087	11.0	13.5	12.0	NORMALE
20	161639069038	4.0	1.0	2.8	NORMALE
21	181839065670	5.0	7.0	5.8	NORMALE
22	181839071437	4.0	8.5	5.8	NORMALE
23	171739081668	9.2	9.2	9.2	NORMALE
24	191939073082	10.0	8.0	9.2	NORMALE
25	171739074204	1.0	2.0	1.4	NORMALE
26	181839068985	3.0	10.0	5.8	NORMALE
27	171739065522	1.0	0.0	0.6	NORMALE
28	181839071536	2.0	7.0	4.0	NORMALE
29	2199325295	15.0	17.0	15.8	NORMALE
30	191939079679	1.0	2.5	1.6	NORMALE
31	171739076725	10.7	10.7	10.7	NORMALE
32	161639070164	0.0	10.0	4.0	NORMALE

Signature de l'enseignant:

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Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Moteur à combustion interne / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	3.0	8.0	5.0	NORMALE
2	161639069705	2.0	12.0	6.0	NORMALE
3	181839073303	2.0	10.0	5.2	NORMALE
4	20069040952	2.0	0.0	1.2	NORMALE
5	171739071885	4.0	6.0	4.8	NORMALE
6	161439066307	11.2	11.2	11.2	NORMALE
7	171739064660	5.2	5.2	5.2	NORMALE
8	181839070222	13.0	11.0	12.2	NORMALE
9	181839065599	4.0	8.0	5.6	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	6.0	12.0	8.4	NORMALE
12	171739064214	2.0	6.0	3.6	NORMALE
13	181839068975	8.0	10.0	8.8	NORMALE
14	191939068372	2.0	9.0	4.8	NORMALE
15	21099043698	1.0	5.0	2.6	NORMALE
16	191939069745	12.0	8.0	10.4	NORMALE
17	171739067077	1.0	7.0	3.4	NORMALE
18	191939065200	8.0	9.0	8.4	NORMALE
19	21039049682	5.0	5.0	5.0	NORMALE
20	191939073497	5.0	10.0	7.0	NORMALE
21	181839068450	12.0	14.0	12.8	NORMALE
22	181839068274	5.0	10.0	7.0	NORMALE
23	181839069871	2.0	8.0	4.4	NORMALE
24	171739072238	3.0	8.0	5.0	NORMALE
25	191939068046	4.0	10.0	6.4	NORMALE
26	191939067163	13.0	14.5	13.6	NORMALE
27	191939070937	2.0	11.0	5.6	NORMALE
28	2198805811	7.0	10.0	8.2	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	12.0	11.0	11.6	NORMALE

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Projer de fin cycle / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	0.0	15.0	15.0	NORMALE
2	191939064468	0.0	14.0	14.0	NORMALE
3	21039049667	0.0	10.0	10.0	NORMALE
4	181839067862	0.0	15.5	15.5	NORMALE
5	191939067943	0.0	12.0	12.0	NORMALE
6	191939073130	0.0	18.0	18.0	NORMALE
7	181839068209	0.0	17.0	17.0	NORMALE
8	181839068227	0.0	17.0	17.0	NORMALE
9	191939067981	0.0	12.0	12.0	NORMALE
10	181839068454	0.0	12.0	12.0	NORMALE
11	181839063191	0.0	17.0	17.0	NORMALE
12	191939066791	0.0	17.0	17.0	NORMALE
13	21069060602	0.0	10.0	10.0	NORMALE
14	171739081865	0.0	12.3	12.3	NORMALE
15	161639077207	0.0	13.58	13.58	NORMALE
16	191939067966	0.0	14.0	14.0	NORMALE
17	181839069883	0.0	10.0	10.0	NORMALE
18	191939068404	0.0	13.0	13.0	NORMALE
19	191939069703	0.0	12.0	12.0	NORMALE
20	171739067225	0.0	11.3	11.3	NORMALE
21	181839069001	0.0	9.36	9.36	NORMALE
22	19109042483	0.0	18.0	18.0	NORMALE
23	161339047191	0.0	14.9	14.9	NORMALE
24	171731095738	0.0	14.0	14.0	NORMALE
25	21079051917	0.0	10.0	10.0	NORMALE
26	181839063170	0.0	12.3	12.3	NORMALE
27	181839073434	0.0	9.5	9.5	NORMALE
28	161439060304	0.0	15.4	15.4	NORMALE
29	191939065951	0.0	15.5	15.5	NORMALE
30	171739081487	0.0	15.83	15.83	NORMALE
31	191939066294	0.0	14.0	14.0	NORMALE
32	181839069352	0.0	10.0	10.0	NORMALE
33	191939065003	0.0	17.0	17.0	NORMALE

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Projer de fin cycle / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	0.0	13.5	13.5	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	0.0	15.0	15.0	NORMALE
4	21932301784	0.0	15.0	15.0	NORMALE
5	181839073368	0.0	12.0	12.0	NORMALE
6	181839070140	0.0	12.0	12.0	NORMALE
7	191939071227	0.0	15.0	15.0	NORMALE
8	171739063614	0.0	15.5	15.5	NORMALE
9	181839065365	0.0	15.0	15.0	NORMALE
10	161639083684	0.0	15.4	15.4	NORMALE
11	181839068420	0.0	16.98	16.98	NORMALE
12	181839064507	0.0	10.36	10.36	NORMALE
13	181839067129	0.0	15.5	15.5	NORMALE
14	161539070969	0.0	14.4	14.4	NORMALE
15	181839069389	0.0	11.08	11.08	NORMALE
16	21054125750	0.0	12.0	12.0	NORMALE
17	171539078987	0.0	10.0	10.0	NORMALE
18	181839072204	0.0	15.0	15.0	NORMALE
19	191939065926	0.0	15.0	15.0	NORMALE
20	181839065338	0.0	6.5	6.5	NORMALE
21	181839066386	0.0	15.5	15.5	NORMALE
22	181839066377	0.0	15.5	15.5	NORMALE
23	181839067926	0.0	11.36	11.36	NORMALE
24	171739070680	0.0	11.08	11.08	NORMALE
25	181839053612	0.0	10.0	10.0	NORMALE
26	161639075872	0.0	12.3	12.3	NORMALE
27	2199926967	0.0	15.0	15.0	NORMALE
28	191939073157	0.0	15.0	15.0	NORMALE
29	191939064241	0.0	15.0	15.0	NORMALE
30	181839071576	0.0	13.16	13.16	NORMALE
31	181839063979	0.0	10.0	10.0	NORMALE
32	171739071905	0.0	10.0	10.0	NORMALE

Signature de l'enseignant:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Projer de fin cycle / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	0.0	12.0	12.0	NORMALE
2	191939071343	0.0	15.0	15.0	NORMALE
3	171739070507	0.0	14.16	14.16	NORMALE
4	181839065641	0.0	14.0	14.0	NORMALE
5	171739075704	0.0	9.5	9.5	NORMALE
6	161739082246	0.0	10.0	10.0	NORMALE
7	181839064895	0.0	12.0	12.0	NORMALE
8	171739076414	0.0	10.0	10.0	NORMALE
9	191939068407	0.0	15.5	15.5	NORMALE
10	191939067938	0.0	12.0	12.0	NORMALE
11	181839067106	0.0	14.83	14.83	NORMALE
12	2199925154	0.0	18.0	18.0	NORMALE
13	191939068765	0.0	17.0	17.0	NORMALE
14	181839065691	0.0	14.0	14.0	NORMALE
15	181839066507	0.0	17.0	17.0	NORMALE
16	181839067927	0.0	11.36	11.36	NORMALE
17	181839066524	0.0	10.0	10.0	NORMALE
18	171739071371	0.0	10.43	10.43	NORMALE
19	191939065087	0.0	17.0	17.0	NORMALE
20	161639069038	0.0	13.16	13.16	NORMALE
21	181839065670	0.0	14.0	14.0	NORMALE
22	181839071437	0.0	12.0	12.0	NORMALE
23	171739081668	0.0	13.1	13.1	NORMALE
24	191939073082	0.0	18.0	18.0	NORMALE
25	171739074204	0.0	10.08	10.08	NORMALE
26	181839068985	0.0	12.0	12.0	NORMALE
27	171739065522	0.0	14.1	14.1	NORMALE
28	181839071536	0.0	15.0	15.0	NORMALE
29	2199325295	0.0	18.0	18.0	NORMALE
30	191939079679	0.0	10.0	10.0	NORMALE
31	171739076725	0.0	13.0	13.0	NORMALE
32	161639070164	0.0	10.0	10.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Projer de fin cycle / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	0.0	15.58	15.58	NORMALE
2	161639069705	0.0	11.0	11.0	NORMALE
3	181839073303	0.0	15.0	15.0	NORMALE
4	20069040952	0.0	10.93	10.93	NORMALE
5	171739071885	0.0	10.43	10.43	NORMALE
6	161439066307	0.0	14.7	14.7	NORMALE
7	171739064660	0.0	8.0	8.0	NORMALE
8	181839070222	0.0	12.3	12.3	NORMALE
9	181839065599	0.0	14.0	14.0	NORMALE
10	171739069766	0.0	10.0	10.0	NORMALE
11	191939072461	0.0	15.0	15.0	NORMALE
12	171739064214	0.0	17.0	17.0	NORMALE
13	181839068975	0.0	9.5	9.5	NORMALE
14	191939068372	0.0	15.5	15.5	NORMALE
15	21099043698	0.0	10.0	10.0	NORMALE
16	191939069745	0.0	12.0	12.0	NORMALE
17	171739067077	0.0	11.72	11.72	NORMALE
18	191939065200	0.0	13.0	13.0	NORMALE
19	21039049682	0.0	18.0	18.0	NORMALE
20	191939073497	0.0	12.0	12.0	NORMALE
21	181839068450	0.0	17.0	17.0	NORMALE
22	181839068274	0.0	17.0	17.0	NORMALE
23	181839069871	0.0	11.08	11.08	NORMALE
24	171739072238	0.0	12.0	12.0	NORMALE
25	191939068046	0.0	12.0	12.0	NORMALE
26	191939067163	0.0	17.0	17.0	NORMALE
27	191939070937	0.0	12.0	12.0	NORMALE
28	2198805811	0.0	18.0	18.0	NORMALE
29	2100928246	0.0	10.0	10.0	NORMALE
30	191939068251	0.0	10.0	10.0	NORMALE
31	191939068047	0.0	12.0	12.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Projer professionnel et gestion d'entreprise / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	18.5	0.0	18.5	NORMALE
2	191939064468	12.0	0.0	12.0	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	12.0	0.0	12.0	NORMALE
5	191939067943	16.5	0.0	16.5	NORMALE
6	191939073130	18.0	0.0	18.0	NORMALE
7	181839068209	19.0	0.0	19.0	NORMALE
8	181839068227	12.0	0.0	12.0	NORMALE
9	191939067981	17.0	0.0	17.0	NORMALE
10	181839068454	10.0	0.0	10.0	NORMALE
11	181839063191	16.0	0.0	16.0	NORMALE
12	191939066791	17.0	0.0	17.0	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	10.0	0.0	10.0	NORMALE
15	161639077207	0.0	0.0	0.0	NORMALE
16	191939067966	17.0	0.0	17.0	NORMALE
17	181839069883	13.0	0.0	13.0	NORMALE
18	191939068404	13.0	0.0	13.0	NORMALE
19	191939069703	18.5	0.0	18.5	NORMALE
20	171739067225	10.0	0.0	10.0	NORMALE
21	181839069001	11.0	0.0	11.0	NORMALE
22	19109042483	8.0	0.0	8.0	NORMALE
23	161339047191	13.5	0.0	13.5	NORMALE
24	171731095738	13.0	0.0	13.0	NORMALE
25	21079051917	7.0	0.0	7.0	NORMALE
26	181839063170	10.0	0.0	10.0	NORMALE
27	181839073434	10.0	0.0	10.0	NORMALE
28	161439060304	15.5	0.0	15.5	NORMALE
29	191939065951	10.0	0.0	10.0	NORMALE
30	171739081487	13.0	0.0	13.0	NORMALE
31	191939066294	15.0	0.0	15.0	NORMALE
32	181839069352	17.5	0.0	17.5	NORMALE
33	191939065003	13.0	0.0	13.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Projer professionnel et gestion d'entreprise / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	12.5	0.0	12.5	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	14.0	0.0	14.0	NORMALE
4	21932301784	15.0	0.0	15.0	NORMALE
5	181839073368	15.5	0.0	15.5	NORMALE
6	181839070140	13.0	0.0	13.0	NORMALE
7	191939071227	12.0	0.0	12.0	NORMALE
8	171739063614	14.5	0.0	14.5	NORMALE
9	181839065365	14.0	0.0	14.0	NORMALE
10	161639083684	10.0	0.0	10.0	NORMALE
11	181839068420	10.0	0.0	10.0	NORMALE
12	181839064507	14.0	0.0	14.0	NORMALE
13	181839067129	10.0	0.0	10.0	NORMALE
14	161539070969	11.5	0.0	11.5	NORMALE
15	181839069389	15.0	0.0	15.0	NORMALE
16	21054125750	18.0	0.0	18.0	NORMALE
17	171539078987	0.0	0.0	0.0	NORMALE
18	181839072204	18.0	0.0	18.0	NORMALE
19	191939065926	15.5	0.0	15.5	NORMALE
20	181839065338	10.0	0.0	10.0	NORMALE
21	181839066386	0.0	0.0	0.0	NORMALE
22	181839066377	18.0	0.0	18.0	NORMALE
23	181839067926	15.0	0.0	15.0	NORMALE
24	171739070680	11.0	0.0	11.0	NORMALE
25	181839053612	10.0	0.0	10.0	NORMALE
26	161639075872	0.0	0.0	0.0	NORMALE
27	2199926967	19.0	0.0	19.0	NORMALE
28	191939073157	17.0	0.0	17.0	NORMALE
29	191939064241	17.0	0.0	17.0	NORMALE
30	181839071576	12.0	0.0	12.0	NORMALE
31	181839063979	1.0	0.0	1.0	NORMALE
32	171739071905	17.0	0.0	17.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Projer professionnel et gestion d'entreprise / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	19.0	0.0	19.0	NORMALE
2	191939071343	19.0	0.0	19.0	NORMALE
3	171739070507	10.5	0.0	10.5	NORMALE
4	181839065641	0.0	0.0	0.0	NORMALE
5	171739075704	10.0	0.0	10.0	NORMALE
6	161739082246	10.0	0.0	10.0	NORMALE
7	181839064895	10.0	0.0	10.0	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	15.0	0.0	15.0	NORMALE
10	191939067938	14.0	0.0	14.0	NORMALE
11	181839067106	10.0	0.0	10.0	NORMALE
12	2199925154	16.0	0.0	16.0	NORMALE
13	191939068765	12.5	0.0	12.5	NORMALE
14	181839065691	16.5	0.0	16.5	NORMALE
15	181839066507	12.5	0.0	12.5	NORMALE
16	181839067927	14.0	0.0	14.0	NORMALE
17	181839066524	10.0	0.0	10.0	NORMALE
18	171739071371	17.0	0.0	17.0	NORMALE
19	191939065087	11.0	0.0	11.0	NORMALE
20	161639069038	19.0	0.0	19.0	NORMALE
21	181839065670	17.0	0.0	17.0	NORMALE
22	181839071437	13.5	0.0	13.5	NORMALE
23	171739081668	16.5	0.0	16.5	NORMALE
24	191939073082	15.5	0.0	15.5	NORMALE
25	171739074204	14.0	0.0	14.0	NORMALE
26	181839068985	10.0	0.0	10.0	NORMALE
27	171739065522	8.5	0.0	8.5	NORMALE
28	181839071536	0.0	0.0	0.0	NORMALE
29	2199325295	14.5	0.0	14.5	NORMALE
30	191939079679	12.0	0.0	12.0	NORMALE
31	171739076725	11.5	0.0	11.5	NORMALE
32	161639070164	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Projer professionnel et gestion d'entreprise / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	14.0	0.0	14.0	NORMALE
2	161639069705	10.0	0.0	10.0	NORMALE
3	181839073303	11.0	0.0	11.0	NORMALE
4	20069040952	10.5	0.0	10.5	NORMALE
5	171739071885	17.0	0.0	17.0	NORMALE
6	161439066307	10.5	0.0	10.5	NORMALE
7	171739064660	13.0	0.0	13.0	NORMALE
8	181839070222	19.0	0.0	19.0	NORMALE
9	181839065599	13.5	0.0	13.5	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	11.5	0.0	11.5	NORMALE
12	171739064214	17.0	0.0	17.0	NORMALE
13	181839068975	11.5	0.0	11.5	NORMALE
14	191939068372	12.5	0.0	12.5	NORMALE
15	21099043698	19.0	0.0	19.0	NORMALE
16	191939069745	16.5	0.0	16.5	NORMALE
17	171739067077	19.0	0.0	19.0	NORMALE
18	191939065200	16.5	0.0	16.5	NORMALE
19	21039049682	18.0	0.0	18.0	NORMALE
20	191939073497	14.5	0.0	14.5	NORMALE
21	181839068450	12.0	0.0	12.0	NORMALE
22	181839068274	14.0	0.0	14.0	NORMALE
23	181839069871	12.0	0.0	12.0	NORMALE
24	171739072238	19.0	0.0	19.0	NORMALE
25	191939068046	14.0	0.0	14.0	NORMALE
26	191939067163	19.0	0.0	19.0	NORMALE
27	191939070937	14.0	0.0	14.0	NORMALE
28	2198805811	15.5	0.0	15.5	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	17.5	0.0	17.5	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP Machines frigorifiques et pompes à chaleur / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	0.0	11.9	11.9	NORMALE
2	191939064468	0.0	14.1	14.1	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	0.0	10.1	10.1	NORMALE
5	191939067943	0.0	13.4	13.4	NORMALE
6	191939073130	0.0	13.0	13.0	NORMALE
7	181839068209	0.0	14.1	14.1	NORMALE
8	181839068227	0.0	10.9	10.9	NORMALE
9	191939067981	0.0	13.7	13.7	NORMALE
10	181839068454	0.0	5.6	5.6	NORMALE
11	181839063191	0.0	14.4	14.4	NORMALE
12	191939066791	0.0	12.8	12.8	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	0.0	11.0	11.0	NORMALE
15	161639077207	0.0	11.0	11.0	NORMALE
16	191939067966	0.0	12.5	12.5	NORMALE
17	181839069883	0.0	10.7	10.7	NORMALE
18	191939068404	0.0	12.4	12.4	NORMALE
19	191939069703	0.0	12.0	12.0	NORMALE
20	171739067225	0.0	14.0	14.0	NORMALE
21	181839069001	0.0	12.0	12.0	NORMALE
22	19109042483	0.0	4.8	4.8	NORMALE
23	161339047191	0.0	18.0	18.0	NORMALE
24	171731095738	0.0	6.6	6.6	NORMALE
25	21079051917	0.0	14.0	14.0	NORMALE
26	181839063170	0.0	11.0	11.0	NORMALE
27	181839073434	0.0	12.0	12.0	NORMALE
28	161439060304	0.0	16.0	16.0	NORMALE
29	191939065951	0.0	0.0	0.0	NORMALE
30	171739081487	0.0	11.0	11.0	NORMALE
31	191939066294	0.0	15.3	15.3	NORMALE
32	181839069352	0.0	4.2	4.2	NORMALE
33	191939065003	0.0	13.8	13.8	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP Machines frigorifiques et pompes à chaleur / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	0.0	14.0	14.0	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	0.0	13.0	13.0	NORMALE
4	21932301784	0.0	15.2	15.2	NORMALE
5	181839073368	0.0	11.0	11.0	NORMALE
6	181839070140	0.0	13.0	13.0	NORMALE
7	191939071227	0.0	12.5	12.5	NORMALE
8	171739063614	0.0	11.9	11.9	NORMALE
9	181839065365	0.0	11.9	11.9	NORMALE
10	161639083684	0.0	14.0	14.0	NORMALE
11	181839068420	0.0	12.0	12.0	NORMALE
12	181839064507	0.0	12.0	12.0	NORMALE
13	181839067129	0.0	11.0	11.0	NORMALE
14	161539070969	0.0	12.75	12.75	NORMALE
15	181839069389	0.0	11.0	11.0	NORMALE
16	21054125750	0.0	13.7	13.7	NORMALE
17	171539078987	0.0	0.0	0.0	NORMALE
18	181839072204	0.0	13.3	13.3	NORMALE
19	191939065926	0.0	10.8	10.8	NORMALE
20	181839065338	0.0	11.0	11.0	NORMALE
21	181839066386	0.0	7.8	7.8	NORMALE
22	181839066377	0.0	9.0	9.0	NORMALE
23	181839067926	0.0	10.0	10.0	NORMALE
24	171739070680	0.0	10.0	10.0	NORMALE
25	181839053612	0.0	12.3	12.3	NORMALE
26	161639075872	0.0	17.0	17.0	NORMALE
27	2199926967	0.0	16.2	16.2	NORMALE
28	191939073157	0.0	12.2	12.2	NORMALE
29	191939064241	0.0	11.6	11.6	NORMALE
30	181839071576	0.0	12.0	12.0	NORMALE
31	181839063979	0.0	0.0	0.0	NORMALE
32	171739071905	0.0	12.4	12.4	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP Machines frigorifiques et pompes à chaleur / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	0.0	11.8	11.8	NORMALE
2	191939071343	0.0	12.5	12.5	NORMALE
3	171739070507	0.0	13.0	13.0	NORMALE
4	181839065641	0.0	11.0	11.0	NORMALE
5	171739075704	0.0	12.0	12.0	NORMALE
6	161739082246	0.0	0.0	0.0	NORMALE
7	181839064895	0.0	13.0	13.0	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	0.0	15.6	15.6	NORMALE
10	191939067938	0.0	11.8	11.8	NORMALE
11	181839067106	0.0	11.0	11.0	NORMALE
12	2199925154	0.0	14.4	14.4	NORMALE
13	191939068765	0.0	14.3	14.3	NORMALE
14	181839065691	0.0	10.9	10.9	NORMALE
15	181839066507	0.0	5.2	5.2	NORMALE
16	181839067927	0.0	11.0	11.0	NORMALE
17	181839066524	0.0	12.0	12.0	NORMALE
18	171739071371	0.0	13.0	13.0	NORMALE
19	191939065087	0.0	14.4	14.4	NORMALE
20	161639069038	0.0	13.0	13.0	NORMALE
21	181839065670	0.0	11.6	11.6	NORMALE
22	181839071437	0.0	12.7	12.7	NORMALE
23	171739081668	0.0	15.0	15.0	NORMALE
24	191939073082	0.0	14.3	14.3	NORMALE
25	171739074204	0.0	11.0	11.0	NORMALE
26	181839068985	0.0	12.0	12.0	NORMALE
27	171739065522	0.0	15.0	15.0	NORMALE
28	181839071536	0.0	11.3	11.3	NORMALE
29	2199325295	0.0	15.9	15.9	NORMALE
30	191939079679	0.0	12.7	12.7	NORMALE
31	171739076725	0.0	12.0	12.0	NORMALE
32	161639070164	0.0	15.0	15.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP Machines frigorifiques et pompes à chaleur / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	0.0	11.0	11.0	NORMALE
2	161639069705	0.0	13.0	13.0	NORMALE
3	181839073303	0.0	13.0	13.0	NORMALE
4	20069040952	0.0	14.0	14.0	NORMALE
5	171739071885	0.0	12.0	12.0	NORMALE
6	161439066307	0.0	14.0	14.0	NORMALE
7	171739064660	0.0	0.0	0.0	NORMALE
8	181839070222	0.0	13.0	13.0	NORMALE
9	181839065599	0.0	10.3	10.3	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	0.0	12.9	12.9	NORMALE
12	171739064214	0.0	12.6	12.6	NORMALE
13	181839068975	0.0	12.0	12.0	NORMALE
14	191939068372	0.0	13.9	13.9	NORMALE
15	21099043698	0.0	7.8	7.8	NORMALE
16	191939069745	0.0	11.9	11.9	NORMALE
17	171739067077	0.0	12.0	12.0	NORMALE
18	191939065200	0.0	12.6	12.6	NORMALE
19	21039049682	0.0	15.8	15.8	NORMALE
20	191939073497	0.0	10.3	10.3	NORMALE
21	181839068450	0.0	14.4	14.4	NORMALE
22	181839068274	0.0	10.6	10.6	NORMALE
23	181839069871	0.0	16.0	16.0	NORMALE
24	171739072238	0.0	13.9	13.9	NORMALE
25	191939068046	0.0	12.6	12.6	NORMALE
26	191939067163	0.0	13.2	13.2	NORMALE
27	191939070937	0.0	11.6	11.6	NORMALE
28	2198805811	0.0	12.6	12.6	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	0.0	11.9	11.9	NORMALE

Signature de l'enseignant:

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Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP moteur à combustion interne / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	0.0	14.1	14.1	NORMALE
2	191939064468	0.0	10.4	10.4	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	0.0	13.9	13.9	NORMALE
5	191939067943	0.0	10.5	10.5	NORMALE
6	191939073130	0.0	14.2	14.2	NORMALE
7	181839068209	0.0	16.2	16.2	NORMALE
8	181839068227	0.0	14.8	14.8	NORMALE
9	191939067981	0.0	13.3	13.3	NORMALE
10	181839068454	0.0	7.7	7.7	NORMALE
11	181839063191	0.0	16.8	16.8	NORMALE
12	191939066791	0.0	15.6	15.6	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	0.0	11.75	11.75	NORMALE
15	161639077207	0.0	10.0	10.0	NORMALE
16	191939067966	0.0	15.6	15.6	NORMALE
17	181839069883	0.0	12.7	12.7	NORMALE
18	191939068404	0.0	12.5	12.5	NORMALE
19	191939069703	0.0	12.3	12.3	NORMALE
20	171739067225	0.0	11.5	11.5	NORMALE
21	181839069001	0.0	11.75	11.75	NORMALE
22	19109042483	0.0	0.0	0.0	NORMALE
23	161339047191	0.0	15.0	15.0	NORMALE
24	171731095738	0.0	13.3	13.3	NORMALE
25	21079051917	0.0	13.3	13.3	NORMALE
26	181839063170	0.0	12.0	12.0	NORMALE
27	181839073434	0.0	12.5	12.5	NORMALE
28	161439060304	0.0	10.08	10.08	NORMALE
29	191939065951	0.0	0.0	0.0	NORMALE
30	171739081487	0.0	11.75	11.75	NORMALE
31	191939066294	0.0	11.4	11.4	NORMALE
32	181839069352	0.0	7.5	7.5	NORMALE
33	191939065003	0.0	16.6	16.6	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP moteur à combustion interne / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	0.0	10.08	10.08	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	0.0	11.75	11.75	NORMALE
4	21932301784	0.0	16.1	16.1	NORMALE
5	181839073368	0.0	14.6	14.6	NORMALE
6	181839070140	0.0	12.5	12.5	NORMALE
7	191939071227	0.0	14.9	14.9	NORMALE
8	171739063614	0.0	14.1	14.1	NORMALE
9	181839065365	0.0	8.1	8.1	NORMALE
10	161639083684	0.0	0.0	0.0	NORMALE
11	181839068420	0.0	12.75	12.75	NORMALE
12	181839064507	0.0	11.5	11.5	NORMALE
13	181839067129	0.0	12.0	12.0	NORMALE
14	161539070969	0.0	13.93	13.93	NORMALE
15	181839069389	0.0	11.25	11.25	NORMALE
16	21054125750	0.0	0.0	0.0	NORMALE
17	171539078987	0.0	12.5	12.5	NORMALE
18	181839072204	0.0	12.2	12.2	NORMALE
19	191939065926	0.0	14.2	14.2	NORMALE
20	181839065338	0.0	11.75	11.75	NORMALE
21	181839066386	0.0	11.7	11.7	NORMALE
22	181839066377	0.0	14.1	14.1	NORMALE
23	181839067926	0.0	12.5	12.5	NORMALE
24	171739070680	0.0	10.0	10.0	NORMALE
25	181839053612	0.0	11.7	11.7	NORMALE
26	161639075872	0.0	10.0	10.0	NORMALE
27	2199926967	0.0	16.1	16.1	NORMALE
28	191939073157	0.0	13.9	13.9	NORMALE
29	191939064241	0.0	14.5	14.5	NORMALE
30	181839071576	0.0	12.0	12.0	NORMALE
31	181839063979	0.0	14.2	14.2	NORMALE
32	171739071905	0.0	10.0	10.0	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP moteur à combustion interne / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	0.0	11.8	11.8	NORMALE
2	191939071343	0.0	13.9	13.9	NORMALE
3	171739070507	0.0	12.25	12.25	NORMALE
4	181839065641	0.0	11.8	11.8	NORMALE
5	171739075704	0.0	12.5	12.5	NORMALE
6	161739082246	0.0	10.0	10.0	NORMALE
7	181839064895	0.0	11.5	11.5	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	0.0	13.3	13.3	NORMALE
10	191939067938	0.0	12.7	12.7	NORMALE
11	181839067106	0.0	11.5	11.5	NORMALE
12	2199925154	0.0	14.7	14.7	NORMALE
13	191939068765	0.0	13.0	13.0	NORMALE
14	181839065691	0.0	11.7	11.7	NORMALE
15	181839066507	0.0	13.3	13.3	NORMALE
16	181839067927	0.0	10.0	10.0	NORMALE
17	181839066524	0.0	12.25	12.25	NORMALE
18	171739071371	0.0	11.5	11.5	NORMALE
19	191939065087	0.0	13.9	13.9	NORMALE
20	161639069038	0.0	10.0	10.0	NORMALE
21	181839065670	0.0	6.9	6.9	NORMALE
22	181839071437	0.0	12.7	12.7	NORMALE
23	171739081668	0.0	10.1	10.1	NORMALE
24	191939073082	0.0	13.9	13.9	NORMALE
25	171739074204	0.0	12.5	12.5	NORMALE
26	181839068985	0.0	10.0	10.0	NORMALE
27	171739065522	0.0	10.53	10.53	NORMALE
28	181839071536	0.0	12.5	12.5	NORMALE
29	2199325295	0.0	14.7	14.7	NORMALE
30	191939079679	0.0	12.7	12.7	NORMALE
31	171739076725	0.0	12.25	12.25	NORMALE
32	161639070164	0.0	12.75	12.75	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP moteur à combustion interne / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	0.0	12.75	12.75	NORMALE
2	161639069705	0.0	12.75	12.75	NORMALE
3	181839073303	0.0	11.5	11.5	NORMALE
4	20069040952	0.0	10.0	10.0	NORMALE
5	171739071885	0.0	11.5	11.5	NORMALE
6	161439066307	0.0	14.0	14.0	NORMALE
7	171739064660	0.0	20.0	20.0	NORMALE
8	181839070222	0.0	12.75	12.75	NORMALE
9	181839065599	0.0	11.0	11.0	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	0.0	13.1	13.1	NORMALE
12	171739064214	0.0	11.5	11.5	NORMALE
13	181839068975	0.0	12.5	12.5	NORMALE
14	191939068372	0.0	12.9	12.9	NORMALE
15	21099043698	0.0	13.9	13.9	NORMALE
16	191939069745	0.0	12.3	12.3	NORMALE
17	171739067077	0.0	12.5	12.5	NORMALE
18	191939065200	0.0	12.5	12.5	NORMALE
19	21039049682	0.0	14.5	14.5	NORMALE
20	191939073497	0.0	13.75	13.75	NORMALE
21	181839068450	0.0	13.0	13.0	NORMALE
22	181839068274	0.0	13.1	13.1	NORMALE
23	181839069871	0.0	12.75	12.75	NORMALE
24	171739072238	0.0	14.9	14.9	NORMALE
25	191939068046	0.0	13.3	13.3	NORMALE
26	191939067163	0.0	14.7	14.7	NORMALE
27	191939070937	0.0	14.2	14.2	NORMALE
28	2198805811	0.0	13.2	13.2	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	0.0	14.5	14.5	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP Régulation et asservissement / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	0.0	11.0	11.0	NORMALE
2	191939064468	0.0	8.25	8.25	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	0.0	7.0	7.0	NORMALE
5	191939067943	0.0	0.0	0.0	NORMALE
6	191939073130	0.0	8.25	8.25	NORMALE
7	181839068209	0.0	14.0	14.0	NORMALE
8	181839068227	0.0	13.0	13.0	NORMALE
9	191939067981	0.0	12.25	12.25	NORMALE
10	181839068454	0.0	12.0	12.0	NORMALE
11	181839063191	0.0	10.25	10.25	NORMALE
12	191939066791	0.0	11.0	11.0	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	0.0	8.0	8.0	NORMALE
15	161639077207	0.0	9.0	9.0	NORMALE
16	191939067966	0.0	10.25	10.25	NORMALE
17	181839069883	0.0	12.5	12.5	NORMALE
18	191939068404	0.0	10.25	10.25	NORMALE
19	191939069703	0.0	10.15	10.15	NORMALE
20	171739067225	0.0	10.0	10.0	NORMALE
21	181839069001	0.0	10.0	10.0	NORMALE
22	19109042483	0.0	0.0	0.0	NORMALE
23	161339047191	0.0	13.1	13.1	NORMALE
24	171731095738	0.0	0.0	0.0	NORMALE
25	21079051917	0.0	0.0	0.0	NORMALE
26	181839063170	0.0	8.0	8.0	NORMALE
27	181839073434	0.0	8.0	8.0	NORMALE
28	161439060304	0.0	14.0	14.0	NORMALE
29	191939065951	0.0	0.0	0.0	NORMALE
30	171739081487	0.0	13.0	13.0	NORMALE
31	191939066294	0.0	12.25	12.25	NORMALE
32	181839069352	0.0	0.0	0.0	NORMALE
33	191939065003	0.0	11.25	11.25	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP Régulation et asservissement / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	0.0	13.0	13.0	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	0.0	13.0	13.0	NORMALE
4	21932301784	0.0	5.0	5.0	NORMALE
5	181839073368	0.0	10.0	10.0	NORMALE
6	181839070140	0.0	10.75	10.75	NORMALE
7	191939071227	0.0	12.0	12.0	NORMALE
8	171739063614	0.0	10.0	10.0	NORMALE
9	181839065365	0.0	11.5	11.5	NORMALE
10	161639083684	0.0	0.0	0.0	NORMALE
11	181839068420	0.0	16.5	16.5	NORMALE
12	181839064507	0.0	10.0	10.0	NORMALE
13	181839067129	0.0	0.0	0.0	NORMALE
14	161539070969	0.0	11.0	11.0	NORMALE
15	181839069389	0.0	8.0	8.0	NORMALE
16	21054125750	0.0	10.0	10.0	NORMALE
17	171539078987	0.0	0.0	0.0	NORMALE
18	181839072204	0.0	12.25	12.25	NORMALE
19	191939065926	0.0	12.0	12.0	NORMALE
20	181839065338	0.0	16.5	16.5	NORMALE
21	181839066386	0.0	0.0	0.0	NORMALE
22	181839066377	0.0	10.0	10.0	NORMALE
23	181839067926	0.0	10.0	10.0	NORMALE
24	171739070680	0.0	12.0	12.0	NORMALE
25	181839053612	0.0	12.0	12.0	NORMALE
26	161639075872	0.0	16.0	16.0	NORMALE
27	2199926967	0.0	6.0	6.0	NORMALE
28	191939073157	0.0	12.0	12.0	NORMALE
29	191939064241	0.0	12.0	12.0	NORMALE
30	181839071576	0.0	16.5	16.5	NORMALE
31	181839063979	0.0	8.25	8.25	NORMALE
32	171739071905	0.0	10.0	10.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP Régulation et asservissement / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	0.0	13.25	13.25	NORMALE
2	191939071343	0.0	5.0	5.0	NORMALE
3	171739070507	0.0	12.5	12.5	NORMALE
4	181839065641	0.0	10.0	10.0	NORMALE
5	171739075704	0.0	8.0	8.0	NORMALE
6	161739082246	0.0	3.0	3.0	NORMALE
7	181839064895	0.0	10.0	10.0	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	0.0	8.0	8.0	NORMALE
10	191939067938	0.0	12.0	12.0	NORMALE
11	181839067106	0.0	10.5	10.5	NORMALE
12	2199925154	0.0	10.0	10.0	NORMALE
13	191939068765	0.0	11.25	11.25	NORMALE
14	181839065691	0.0	3.0	3.0	NORMALE
15	181839066507	0.0	7.5	7.5	NORMALE
16	181839067927	0.0	8.0	8.0	NORMALE
17	181839066524	0.0	14.0	14.0	NORMALE
18	171739071371	0.0	10.5	10.5	NORMALE
19	191939065087	0.0	12.5	12.5	NORMALE
20	161639069038	0.0	12.5	12.5	NORMALE
21	181839065670	0.0	11.0	11.0	NORMALE
22	181839071437	0.0	11.0	11.0	NORMALE
23	171739081668	0.0	0.0	0.0	NORMALE
24	191939073082	0.0	10.5	10.5	NORMALE
25	171739074204	0.0	8.0	8.0	NORMALE
26	181839068985	0.0	10.0	10.0	NORMALE
27	171739065522	0.0	0.0	0.0	NORMALE
28	181839071536	0.0	9.0	9.0	NORMALE
29	2199325295	0.0	8.5	8.5	NORMALE
30	191939079679	0.0	7.5	7.5	NORMALE
31	171739076725	0.0	0.0	0.0	NORMALE
32	161639070164	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: TP Régulation et asservissement / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	0.0	9.0	9.0	NORMALE
2	161639069705	0.0	16.0	16.0	NORMALE
3	181839073303	0.0	10.0	10.0	NORMALE
4	20069040952	0.0	15.0	15.0	NORMALE
5	171739071885	0.0	10.5	10.5	NORMALE
6	161439066307	0.0	0.0	0.0	NORMALE
7	171739064660	0.0	20.0	20.0	NORMALE
8	181839070222	0.0	8.0	8.0	NORMALE
9	181839065599	0.0	9.0	9.0	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	0.0	12.25	12.25	NORMALE
12	171739064214	0.0	7.0	7.0	NORMALE
13	181839068975	0.0	8.0	8.0	NORMALE
14	191939068372	0.0	10.25	10.25	NORMALE
15	21099043698	0.0	0.0	0.0	NORMALE
16	191939069745	0.0	9.25	9.25	NORMALE
17	171739067077	0.0	12.0	12.0	NORMALE
18	191939065200	0.0	10.0	10.0	NORMALE
19	21039049682	0.0	0.0	0.0	NORMALE
20	191939073497	0.0	10.0	10.0	NORMALE
21	181839068450	0.0	14.0	14.0	NORMALE
22	181839068274	0.0	12.0	12.0	NORMALE
23	181839069871	0.0	8.0	8.0	NORMALE
24	171739072238	0.0	10.0	10.0	NORMALE
25	191939068046	0.0	11.25	11.25	NORMALE
26	191939067163	0.0	10.0	10.0	NORMALE
27	191939070937	0.0	10.5	10.5	NORMALE
28	2198805811	0.0	13.0	13.0	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	3.0	3.0	NORMALE
31	191939068047	0.0	9.0	9.0	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie mécanique
Energétique

Niveau: Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Transfert de chaleur 2 / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	6.5	9.0	7.5	NORMALE
2	191939064468	13.0	9.0	11.4	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	3.5	5.0	4.1	NORMALE
5	191939067943	10.5	5.0	8.3	NORMALE
6	191939073130	11.5	8.5	10.3	NORMALE
7	181839068209	18.5	12.0	15.9	NORMALE
8	181839068227	5.0	6.0	5.4	NORMALE
9	191939067981	15.0	4.5	10.8	NORMALE
10	181839068454	0.0	6.5	2.6	NORMALE
11	181839063191	17.0	14.0	15.8	NORMALE
12	191939066791	12.0	12.5	12.2	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	0.5	0.0	0.3	NORMALE
15	161639077207	0.0	4.5	1.8	NORMALE
16	191939067966	3.5	8.0	5.3	NORMALE
17	181839069883	4.5	3.0	3.9	NORMALE
18	191939068404	5.0	10.5	7.2	NORMALE
19	191939069703	3.0	2.5	2.8	NORMALE
20	171739067225	7.2	7.2	7.2	NORMALE
21	181839069001	1.0	0.0	0.6	NORMALE
22	19109042483	0.0	0.0	0.0	NORMALE
23	161339047191	8.84	8.84	8.84	NORMALE
24	171731095738	4.5	0.0	2.7	NORMALE
25	21079051917	1.5	0.0	0.9	NORMALE
26	181839063170	4.5	9.0	6.3	NORMALE
27	181839073434	0.0	0.0	0.0	NORMALE
28	161439060304	5.6	5.6	5.6	NORMALE
29	191939065951	1.0	0.0	0.6	NORMALE
30	171739081487	0.0	0.0	0.0	NORMALE
31	191939066294	11.0	13.0	11.8	NORMALE
32	181839069352	0.0	6.0	2.4	NORMALE
33	191939065003	10.5	13.5	11.7	NORMALE

Signature de l'enseignant:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Transfert de chaleur 2 / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	6.8	6.8	6.8	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	5.0	8.5	6.4	NORMALE
4	21932301784	12.0	11.0	11.6	NORMALE
5	181839073368	2.0	7.5	4.2	NORMALE
6	181839070140	5.5	10.0	7.3	NORMALE
7	191939071227	6.0	12.0	8.4	NORMALE
8	171739063614	7.5	7.0	7.3	NORMALE
9	181839065365	1.0	6.0	3.0	NORMALE
10	161639083684	0.0	0.0	0.0	NORMALE
11	181839068420	1.5	1.5	1.5	NORMALE
12	181839064507	5.5	7.0	6.1	NORMALE
13	181839067129	2.0	7.0	4.0	NORMALE
14	161539070969	0.0	0.0	0.0	NORMALE
15	181839069389	2.5	2.5	2.5	NORMALE
16	21054125750	1.5	8.5	4.3	NORMALE
17	171539078987	0.0	0.0	0.0	NORMALE
18	181839072204	8.5	5.5	7.3	NORMALE
19	191939065926	5.5	8.5	6.7	NORMALE
20	181839065338	1.0	5.5	2.8	NORMALE
21	181839066386	0.0	2.5	1.0	NORMALE
22	181839066377	7.0	4.0	5.8	NORMALE
23	181839067926	0.0	0.0	0.0	NORMALE
24	171739070680	1.0	1.0	1.0	NORMALE
25	181839053612	9.5	8.5	9.1	NORMALE
26	161639075872	2.5	1.0	1.9	NORMALE
27	2199926967	18.5	17.0	17.9	NORMALE
28	191939073157	8.0	7.5	7.8	NORMALE
29	191939064241	13.0	11.5	12.4	NORMALE
30	181839071576	2.0	1.0	1.6	NORMALE
31	181839063979	0.0	0.0	0.0	NORMALE
32	171739071905	3.0	8.5	5.2	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Transfert de chaleur 2 / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	0.5	7.0	3.1	NORMALE
2	191939071343	5.0	12.0	7.8	NORMALE
3	171739070507	1.0	0.5	0.8	NORMALE
4	181839065641	3.0	8.0	5.0	NORMALE
5	171739075704	0.0	6.0	2.4	NORMALE
6	161739082246	0.0	0.0	0.0	NORMALE
7	181839064895	0.0	0.0	0.0	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	2.5	8.5	4.9	NORMALE
10	191939067938	2.5	1.0	1.9	NORMALE
11	181839067106	0.0	5.5	2.2	NORMALE
12	2199925154	9.5	10.0	9.7	NORMALE
13	191939068765	17.0	11.5	14.8	NORMALE
14	181839065691	6.5	2.5	4.9	NORMALE
15	181839066507	2.5	8.5	4.9	NORMALE
16	181839067927	6.0	6.0	6.0	NORMALE
17	181839066524	1.0	7.5	3.6	NORMALE
18	171739071371	3.0	8.5	5.2	NORMALE
19	191939065087	10.5	11.5	10.9	NORMALE
20	161639069038	1.0	4.0	2.2	NORMALE
21	181839065670	6.0	8.5	7.0	NORMALE
22	181839071437	1.0	7.0	3.4	NORMALE
23	171739081668	9.8	9.8	9.8	NORMALE
24	191939073082	4.0	9.0	6.0	NORMALE
25	171739074204	1.0	1.0	1.0	NORMALE
26	181839068985	1.5	7.5	3.9	NORMALE
27	171739065522	0.0	0.0	0.0	NORMALE
28	181839071536	0.0	4.5	1.8	NORMALE
29	2199325295	6.0	11.0	8.0	NORMALE
30	191939079679	0.5	1.0	0.7	NORMALE
31	171739076725	8.5	9.0	8.7	NORMALE
32	161639070164	2.0	2.0	2.0	NORMALE

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Filière: génie mécanique
Energétique

Niveau:

Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Transfert de chaleur 2 / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	0.0	7.0	2.8	NORMALE
2	161639069705	6.5	10.5	8.1	NORMALE
3	181839073303	8.5	6.5	7.7	NORMALE
4	20069040952	1.0	0.0	0.6	NORMALE
5	171739071885	1.0	0.0	0.6	NORMALE
6	161439066307	10.0	10.0	10.0	NORMALE
7	171739064660	0.6	0.6	0.6	NORMALE
8	181839070222	10.0	7.5	9.0	NORMALE
9	181839065599	1.0	0.0	0.6	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	12.5	13.5	12.9	NORMALE
12	171739064214	2.0	5.0	3.2	NORMALE
13	181839068975	10.0	9.0	9.6	NORMALE
14	191939068372	0.5	5.0	2.3	NORMALE
15	21099043698	1.0	4.5	2.4	NORMALE
16	191939069745	8.5	8.0	8.3	NORMALE
17	171739067077	0.0	0.0	0.0	NORMALE
18	191939065200	2.0	8.5	4.6	NORMALE
19	21039049682	2.5	5.5	3.7	NORMALE
20	191939073497	2.0	6.0	3.6	NORMALE
21	181839068450	8.5	12.0	9.9	NORMALE
22	181839068274	3.0	6.0	4.2	NORMALE
23	181839069871	3.0	0.0	1.8	NORMALE
24	171739072238	1.5	7.0	3.7	NORMALE
25	191939068046	13.0	9.0	11.4	NORMALE
26	191939067163	6.5	8.0	7.1	NORMALE
27	191939070937	2.0	6.5	3.8	NORMALE
28	2198805811	4.0	8.5	5.8	NORMALE
29	2100928246	0.0	0.0	0.0	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	2.5	3.0	2.7	NORMALE

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Filière: génie mécanique
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Matière: Turbomachines 2 / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839065693	14.0	19.5	16.2	NORMALE
2	191939064468	8.0	14.0	10.4	NORMALE
3	21039049667	0.0	0.0	0.0	NORMALE
4	181839067862	2.0	19.0	8.8	NORMALE
5	191939067943	17.0	19.0	17.8	NORMALE
6	191939073130	14.0	17.0	15.2	NORMALE
7	181839068209	16.0	18.0	16.8	NORMALE
8	181839068227	18.0	18.0	18.0	NORMALE
9	191939067981	16.0	19.0	17.2	NORMALE
10	181839068454	5.0	18.0	10.2	NORMALE
11	181839063191	20.0	18.0	19.2	NORMALE
12	191939066791	10.0	16.0	12.4	NORMALE
13	21069060602	0.0	0.0	0.0	NORMALE
14	171739081865	10.8	10.8	10.8	NORMALE
15	161639077207	0.0	16.0	6.4	NORMALE
16	191939067966	8.0	16.0	11.2	NORMALE
17	181839069883	5.0	15.0	9.0	NORMALE
18	191939068404	13.0	18.0	15.0	NORMALE
19	191939069703	5.0	16.0	9.4	NORMALE
20	171739067225	10.6	10.6	10.6	NORMALE
21	181839069001	7.0	0.0	4.2	NORMALE
22	19109042483	5.0	0.0	3.0	NORMALE
23	161339047191	8.2	8.2	8.2	NORMALE
24	171731095738	2.0	14.0	6.8	NORMALE
25	21079051917	6.0	15.0	9.6	NORMALE
26	181839063170	10.0	10.0	10.0	NORMALE
27	181839073434	0.0	0.0	0.0	NORMALE
28	161439060304	14.0	14.0	14.0	NORMALE
29	191939065951	3.0	0.0	1.8	NORMALE
30	171739081487	0.0	0.0	0.0	NORMALE
31	191939066294	16.0	14.0	15.2	NORMALE
32	181839069352	4.0	18.0	9.6	NORMALE
33	191939065003	10.0	17.0	12.8	NORMALE

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N°Arrêté n°714 du 05 Aout

Matière: Turbomachines 2 / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739075241	8.6	8.6	8.6	NORMALE
2	181839071479	0.0	0.0	0.0	
3	181839053567	4.0	16.0	8.8	NORMALE
4	21932301784	19.0	19.5	19.2	NORMALE
5	181839073368	7.0	17.0	11.0	NORMALE
6	181839070140	5.0	18.0	10.2	NORMALE
7	191939071227	20.0	15.0	18.0	NORMALE
8	171739063614	20.0	16.0	18.4	NORMALE
9	181839065365	2.0	14.0	6.8	NORMALE
10	161639083684	0.0	0.0	0.0	NORMALE
11	181839068420	5.0	18.0	10.2	NORMALE
12	181839064507	10.0	18.0	13.2	NORMALE
13	181839067129	0.0	0.0	0.0	NORMALE
14	161539070969	12.7	12.7	12.7	NORMALE
15	181839069389	8.0	15.0	10.8	NORMALE
16	21054125750	7.0	17.0	11.0	NORMALE
17	171539078987	1.0	0.0	0.6	NORMALE
18	181839072204	6.0	15.0	9.6	NORMALE
19	191939065926	9.0	14.0	11.0	NORMALE
20	181839065338	5.0	18.0	10.2	NORMALE
21	181839066386	1.0	0.0	0.6	NORMALE
22	181839066377	18.0	16.0	17.2	NORMALE
23	181839067926	4.0	0.0	2.4	NORMALE
24	171739070680	2.0	0.0	1.2	NORMALE
25	181839053612	8.0	16.0	11.2	NORMALE
26	161639075872	4.0	16.0	8.8	NORMALE
27	2199926967	20.0	19.5	19.8	NORMALE
28	191939073157	14.0	15.0	14.4	NORMALE
29	191939064241	9.0	15.0	11.4	NORMALE
30	181839071576	13.0	16.0	14.2	NORMALE
31	181839063979	6.0	17.0	10.4	NORMALE
32	171739071905	10.0	17.0	12.8	NORMALE

Signature de l'enseignant:

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Energétique

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Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Turbomachines 2 / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	191939067964	10.0	19.0	13.6	NORMALE
2	191939071343	13.0	15.0	13.8	NORMALE
3	171739070507	2.0	17.0	8.0	NORMALE
4	181839065641	10.0	19.0	13.6	NORMALE
5	171739075704	8.0	15.0	10.8	NORMALE
6	161739082246	1.0	0.0	0.6	NORMALE
7	181839064895	0.0	0.0	0.0	NORMALE
8	171739076414	0.0	0.0	0.0	NORMALE
9	191939068407	14.0	19.0	16.0	NORMALE
10	191939067938	10.0	19.0	13.6	NORMALE
11	181839067106	4.0	16.0	8.8	NORMALE
12	2199925154	15.0	19.0	16.6	NORMALE
13	191939068765	20.0	19.0	19.6	NORMALE
14	181839065691	10.0	19.0	13.6	NORMALE
15	181839066507	2.0	16.0	7.6	NORMALE
16	181839067927	10.8	10.8	10.8	NORMALE
17	181839066524	8.0	17.0	11.6	NORMALE
18	171739071371	8.0	15.0	10.8	NORMALE
19	191939065087	16.0	17.0	16.4	NORMALE
20	161639069038	5.0	15.0	9.0	NORMALE
21	181839065670	9.0	19.0	13.0	NORMALE
22	181839071437	12.0	17.0	14.0	NORMALE
23	171739081668	11.0	11.0	11.0	NORMALE
24	191939073082	5.0	17.0	9.8	NORMALE
25	171739074204	16.0	17.0	16.4	NORMALE
26	181839068985	12.4	12.4	12.4	NORMALE
27	171739065522	2.0	0.0	1.2	NORMALE
28	181839071536	2.0	15.0	7.2	NORMALE
29	2199325295	10.0	19.0	13.6	NORMALE
30	191939079679	6.0	17.0	10.4	NORMALE
31	171739076725	13.0	15.0	13.8	NORMALE
32	161639070164	2.0	18.0	8.4	NORMALE

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Arrêté d'habilitation de l'offre de

N°Arrêté n°714 du 05 Aout

Matière: Turbomachines 2 / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067099	2.0	18.0	8.4	NORMALE
2	161639069705	14.0	16.0	14.8	NORMALE
3	181839073303	18.0	15.0	16.8	NORMALE
4	20069040952	2.0	14.0	6.8	NORMALE
5	171739071885	12.0	15.0	13.2	NORMALE
6	161439066307	7.64	7.64	7.64	NORMALE
7	171739064660	14.3	14.3	14.3	NORMALE
8	181839070222	16.0	18.0	16.8	NORMALE
9	181839065599	2.0	14.0	6.8	NORMALE
10	171739069766	0.0	0.0	0.0	NORMALE
11	191939072461	14.5	15.0	14.7	NORMALE
12	171739064214	3.0	18.0	9.0	NORMALE
13	181839068975	12.4	12.4	12.4	NORMALE
14	191939068372	1.0	19.0	8.2	NORMALE
15	21099043698	12.0	16.0	13.6	NORMALE
16	191939069745	5.0	18.0	10.2	NORMALE
17	171739067077	2.0	18.0	8.4	NORMALE
18	191939065200	4.0	18.0	9.6	NORMALE
19	21039049682	20.0	19.0	19.6	NORMALE
20	191939073497	5.0	17.0	9.8	NORMALE
21	181839068450	7.0	19.0	11.8	NORMALE
22	181839068274	7.0	18.0	11.4	NORMALE
23	181839069871	10.0	15.0	12.0	NORMALE
24	171739072238	5.0	16.0	9.4	NORMALE
25	191939068046	16.0	18.0	16.8	NORMALE
26	191939067163	14.0	16.0	14.8	NORMALE
27	191939070937	10.0	18.0	13.2	NORMALE
28	2198805811	13.0	19.0	15.4	NORMALE
29	2100928246	0.0	14.0	5.6	NORMALE
30	191939068251	0.0	0.0	0.0	NORMALE
31	191939068047	6.0	18.0	10.8	NORMALE

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