



2021/2022

Filière: génie civil
matériaux en génie civil

Matière: Bétons Innovants 1 / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
8	181839069920	6.0	gbhn	6.0	NORMALE
9	181839063223	14.0	0.0	14.0	NORMALE
10	171739070800	17.0	0.0	17.0	NORMALE
11	161639078516	0.0	0.0	0.0	NORMALE
12	20902501266	12.0	0.0	12.0	NORMALE
13	171739068460	15.0	0.0	15.0	NORMALE
14	161639069939	11.0	0.0	11.0	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	15.0	0.0	15.0	NORMALE
18	181839065197	13.0	0.0	13.0	NORMALE
19	181839066193	12.0	0.0	12.0	NORMALE
20	171739055114	5.0	0.0	5.0	NORMALE
21	181839066594	9.0	0.0	9.0	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	7.5	0.0	7.5	NORMALE
24	171739066766	0.0	0.0	0.0	NORMALE
25	171739070216	5.0	0.0	5.0	NORMALE
26	181839068423	8.0	0.0	8.0	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	15.0	0.0	15.0	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	3.5	0.0	3.5	NORMALE
33	171739075270	17.0	0.0	17.0	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	4.5	0.0	4.5	NORMALE
36	161539071021	7.0	0.0	7.0	NORMALE

Signature de l'enseignant:

Le:

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2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت 2021

Matière: Bétons Innovants 1 / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	10.5	0.0	10.5	NORMALE
2	171739052666	10.0	0.0	10.0	NORMALE
3	181839068402	4.5	0.0	4.5	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	5.0	0.0	5.0	NORMALE
7	171739075999	10.0	0.0	10.0	NORMALE
8	161639077167	12.0	0.0	12.0	NORMALE
9	20049054449	17.0	0.0	17.0	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	12.0	0.0	12.0	NORMALE
13	161639071979	5.0	0.0	5.0	NORMALE
14	171739065193	0.0	0.0	0.0	NORMALE
15	181839073604	5.0	0.0	5.0	NORMALE
16	161639075021	15.0	0.0	15.0	NORMALE
17	161639076410	6.5	0.0	6.5	NORMALE
18	181839068204	10.0	0.0	10.0	NORMALE
19	181839066210	7.0	0.0	7.0	NORMALE
20	161639066870	4.5	0.0	4.5	NORMALE
21	171739069802	0.0	0.0	0.0	NORMALE
22	171739071151	7.0	0.0	7.0	NORMALE
23	181839068471	6.0	0.0	6.0	NORMALE
24	181839066587	12.0	0.0	12.0	NORMALE
25	2092369000	12.0	0.0	12.0	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	10.0	0.0	10.0	NORMALE
28	181839065430	12.0	0.0	12.0	NORMALE
29	171739068663	17.0	0.0	17.0	NORMALE
30	181839071635	7.0	0.0	7.0	NORMALE
31	171739074280	12.0	0.0	12.0	NORMALE
32	171739068304	7.0	0.0	7.0	NORMALE
33	171739066271	9.0	0.0	9.0	NORMALE
34	171539076249	0.0	0.0	0.0	NORMALE
35	171539070766	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

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2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت 2021

Matière: Bétons Innovants 1 / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	10.0	0.0	10.0	NORMALE
4	171739064399	3.0	0.0	3.0	NORMALE
5	171739075154	10.0	0.0	10.0	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	6.0	0.0	6.0	NORMALE
8	21119040818	11.0	0.0	11.0	NORMALE
9	181839071639	6.0	0.0	6.0	NORMALE
10	181839066391	12.0	0.0	12.0	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	12.0	0.0	12.0	NORMALE
13	181839065331	5.0	0.0	5.0	NORMALE
14	20891701198	12.0	0.0	12.0	NORMALE
15	181839066581	5.0	0.0	5.0	NORMALE
16	181839068212	4.0	0.0	4.0	NORMALE
17	161639077299	10.5	0.0	10.5	NORMALE
18	171739053377	12.0	0.0	12.0	NORMALE
19	171739066308	6.0	0.0	6.0	NORMALE
20	181839065589	6.0	0.0	6.0	NORMALE
21	171739069581	6.0	0.0	6.0	NORMALE
22	181839071624	5.5	0.0	5.5	NORMALE
23	181839068410	7.0	0.0	7.0	NORMALE
24	181839064398	7.5	0.0	7.5	NORMALE
25	2097822263	16.0	0.0	16.0	NORMALE
26	171739070111	5.0	0.0	5.0	NORMALE
27	171739071299	17.0	0.0	17.0	NORMALE
28	171739068442	6.0	0.0	6.0	NORMALE
29	181839070284	7.0	0.0	7.0	NORMALE
30	181839066592	8.0	0.0	8.0	NORMALE
31	171739080891	0.0	0.0	0.0	NORMALE
32	171739082011	11.0	0.0	11.0	NORMALE
33	161539077692	10.0	0.0	10.0	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Bétons Innovants 1 / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	10.0	0.0	10.0	NORMALE
2	171739064482	0.0	0.0	0.0	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	14.5	0.0	14.5	NORMALE
5	181839062963	4.0	0.0	4.0	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	4.0	0.0	4.0	NORMALE
8	171739074762	0.0	0.0	0.0	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	10.0	0.0	10.0	NORMALE
11	171739066707	13.0	0.0	13.0	NORMALE
12	181839066593	12.0	0.0	12.0	NORMALE
13	171739070204	0.0	0.0	0.0	NORMALE
14	161739081498	13.0	0.0	13.0	NORMALE
15	171739070740	9.0	0.0	9.0	NORMALE
16	181839063295	8.0	0.0	8.0	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	14.0	0.0	14.0	NORMALE
19	181839066473	6.0	0.0	6.0	NORMALE
20	19119049094	19.0	0.0	19.0	NORMALE
21	181839071162	10.0	0.0	10.0	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	15.5	0.0	15.5	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	6.0	0.0	6.0	NORMALE
26	171739065423	7.0	0.0	7.0	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	9.0	0.0	9.0	NORMALE
29	161639077343	6.0	0.0	6.0	NORMALE
30	171739068449	0.0	0.0	0.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	7.0	0.0	7.0	NORMALE
33	171739067591	0.0	0.0	0.0	NORMALE
34	181839066630	7.0	0.0	7.0	NORMALE
35	181839067153	7.0	0.0	7.0	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	12.0	0.0	12.0	NORMALE
38	161539075171	10.0	0.0	10.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Ethique déontologie et Propriété Intellectuelle / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839071633	13.0	0.0	13.0	NORMALE
2	181839066586	15.0	0.0	15.0	NORMALE
3	171739067666	12.0	0.0	12.0	NORMALE
4	181839065410	12.0	0.0	12.0	NORMALE
5	181839067097	12.0	0.0	12.0	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	0.0	0.0	NORMALE
8	181839069920	13.0	0.0	13.0	NORMALE
9	181839063223	15.0	0.0	15.0	NORMALE
10	171739070800	15.0	0.0	15.0	NORMALE
11	161639078516	12.0	0.0	12.0	NORMALE
12	20902501266	14.0	0.0	14.0	NORMALE
13	171739068460	13.0	0.0	13.0	NORMALE
14	161639069939	13.0	0.0	13.0	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	14.0	0.0	14.0	NORMALE
18	181839065197	12.0	0.0	12.0	NORMALE
19	181839066193	12.0	0.0	12.0	NORMALE
20	171739055114	11.0	0.0	11.0	NORMALE
21	181839066594	13.0	0.0	13.0	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	13.0	0.0	13.0	NORMALE
24	171739066766	12.0	0.0	12.0	NORMALE
25	171739070216	11.0	0.0	11.0	NORMALE
26	181839068423	12.0	0.0	12.0	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	13.0	0.0	13.0	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	14.0	0.0	14.0	NORMALE
33	171739075270	14.0	0.0	14.0	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	13.0	0.0	13.0	NORMALE
36	161539071021	12.0	0.0	12.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Ethique déontologie et Propriété Intellectuelle / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	13.0	0.0	13.0	NORMALE
2	171739052666	13.0	0.0	13.0	NORMALE
3	181839068402	14.0	0.0	14.0	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	12.0	0.0	12.0	NORMALE
7	171739075999	10.0	0.0	10.0	NORMALE
8	161639077167	14.0	0.0	14.0	NORMALE
9	20049054449	13.0	0.0	13.0	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	14.0	0.0	14.0	NORMALE
13	161639071979	14.0	0.0	14.0	NORMALE
14	171739065193	12.0	0.0	12.0	NORMALE
15	181839073604	14.0	0.0	14.0	NORMALE
16	161639075021	16.0	0.0	16.0	NORMALE
17	161639076410	10.0	0.0	10.0	NORMALE
18	181839068204	13.0	0.0	13.0	NORMALE
19	181839066210	12.0	0.0	12.0	NORMALE
20	161639066870	12.0	0.0	12.0	NORMALE
21	171739069802	0.0	0.0	0.0	NORMALE
22	171739071151	14.0	0.0	14.0	NORMALE
23	181839068471	13.0	0.0	13.0	NORMALE
24	181839066587	14.0	0.0	14.0	NORMALE
25	2092369000	14.0	0.0	14.0	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	13.0	0.0	13.0	NORMALE
28	181839065430	14.0	0.0	14.0	NORMALE
29	171739068663	13.0	0.0	13.0	NORMALE
30	181839071635	15.0	0.0	15.0	NORMALE
31	171739074280	10.0	0.0	10.0	NORMALE
32	171739068304	14.0	0.0	14.0	NORMALE
33	171739066271	13.0	0.0	13.0	NORMALE
34	171539076249	13.0	0.0	13.0	NORMALE
35	171539070766	12.0	0.0	12.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Ethique déontologie et Propriété Intellectuelle / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	14.0	0.0	14.0	NORMALE
4	171739064399	13.0	0.0	13.0	NORMALE
5	171739075154	11.0	0.0	11.0	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	15.0	0.0	15.0	NORMALE
8	21119040818	16.0	0.0	16.0	NORMALE
9	181839071639	12.0	0.0	12.0	NORMALE
10	181839066391	15.0	0.0	15.0	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	14.0	0.0	14.0	NORMALE
13	181839065331	15.0	0.0	15.0	NORMALE
14	20891701198	16.0	0.0	16.0	NORMALE
15	181839066581	13.0	0.0	13.0	NORMALE
16	181839068212	14.0	0.0	14.0	NORMALE
17	161639077299	12.0	0.0	12.0	NORMALE
18	171739053377	16.0	0.0	16.0	NORMALE
19	171739066308	0.0	0.0	0.0	NORMALE
20	181839065589	14.0	0.0	14.0	NORMALE
21	171739069581	14.0	0.0	14.0	NORMALE
22	181839071624	14.0	0.0	14.0	NORMALE
23	181839068410	13.0	0.0	13.0	NORMALE
24	181839064398	16.0	0.0	16.0	NORMALE
25	2097822263	16.0	0.0	16.0	NORMALE
26	171739070111	13.0	0.0	13.0	NORMALE
27	171739071299	16.0	0.0	16.0	NORMALE
28	171739068442	12.0	0.0	12.0	NORMALE
29	181839070284	13.0	0.0	13.0	NORMALE
30	181839066592	14.0	0.0	14.0	NORMALE
31	171739080891	16.0	0.0	16.0	NORMALE
32	171739082011	15.0	0.0	15.0	NORMALE
33	161539077692	15.0	0.0	15.0	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Ethique déontologie et Propriété Intellectuelle / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	12.0	0.0	12.0	NORMALE
2	171739064482	14.0	0.0	14.0	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	16.0	0.0	16.0	NORMALE
5	181839062963	11.0	0.0	11.0	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	15.0	0.0	15.0	NORMALE
8	171739074762	0.0	0.0	0.0	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	13.0	0.0	13.0	NORMALE
11	171739066707	13.0	0.0	13.0	NORMALE
12	181839066593	14.0	0.0	14.0	NORMALE
13	171739070204	12.0	0.0	12.0	NORMALE
14	161739081498	14.0	0.0	14.0	NORMALE
15	171739070740	12.0	0.0	12.0	NORMALE
16	181839063295	13.0	0.0	13.0	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	13.0	0.0	13.0	NORMALE
19	181839066473	13.0	0.0	13.0	NORMALE
20	19119049094	17.0	0.0	17.0	NORMALE
21	181839071162	14.0	0.0	14.0	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	12.0	0.0	12.0	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	13.0	0.0	13.0	NORMALE
26	171739065423	15.0	0.0	15.0	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	12.0	0.0	12.0	NORMALE
29	161639077343	13.0	0.0	13.0	NORMALE
30	171739068449	10.0	0.0	10.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	13.0	0.0	13.0	NORMALE
33	171739067591	10.0	0.0	10.0	NORMALE
34	181839066630	14.0	0.0	14.0	NORMALE
35	181839067153	13.0	0.0	13.0	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	13.0	0.0	13.0	NORMALE
38	161539075171	12.0	0.0	12.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت 2021

Matière: Hydratation et structuration des pates de Ciment / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839071633	0.5	0.0	0.5	NORMALE
2	181839066586	11.0	0.0	11.0	NORMALE
3	171739067666	1.0	0.0	1.0	NORMALE
4	181839065410	1.0	0.0	1.0	NORMALE
5	181839067097	0.5	0.0	0.5	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	0.0	0.0	NORMALE
8	181839069920	4.0	0.0	4.0	NORMALE
9	181839063223	4.5	0.0	4.5	NORMALE
10	171739070800	4.0	0.0	4.0	NORMALE
11	161639078516	0.0	0.0	0.0	NORMALE
12	20902501266	10.5	0.0	10.5	NORMALE
13	171739068460	3.0	0.0	3.0	NORMALE
14	161639069939	1.0	0.0	1.0	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	10.0	0.0	10.0	NORMALE
18	181839065197	2.5	0.0	2.5	NORMALE
19	181839066193	2.0	0.0	2.0	NORMALE
20	171739055114	1.0	0.0	1.0	NORMALE
21	181839066594	7.0	0.0	7.0	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	3.5	0.0	3.5	NORMALE
24	171739066766	0.0	0.0	0.0	NORMALE
25	171739070216	2.0	0.0	2.0	NORMALE
26	181839068423	2.0	0.0	2.0	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	4.5	0.0	4.5	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	0.5	0.0	0.5	NORMALE
33	171739075270	6.5	0.0	6.5	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	0.5	0.0	0.5	NORMALE
36	161539071021	5.0	0.0	5.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Hydratation et structuration des pates de Ciment / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	7.0	0.0	7.0	NORMALE
2	171739052666	2.5	0.0	2.5	NORMALE
3	181839068402	2.0	0.0	2.0	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	1.5	0.0	1.5	NORMALE
7	171739075999	0.0	0.0	0.0	NORMALE
8	161639077167	1.0	0.0	1.0	NORMALE
9	20049054449	1.0	0.0	1.0	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	4.0	0.0	4.0	NORMALE
13	161639071979	1.0	0.0	1.0	NORMALE
14	171739065193	0.0	0.0	0.0	NORMALE
15	181839073604	1.5	0.0	1.5	NORMALE
16	161639075021	10.0	0.0	10.0	NORMALE
17	161639076410	1.0	0.0	1.0	NORMALE
18	181839068204	2.0	0.0	2.0	NORMALE
19	181839066210	3.0	0.0	3.0	NORMALE
20	161639066870	0.0	0.0	0.0	NORMALE
21	171739069802	0.0	0.0	0.0	NORMALE
22	171739071151	3.0	0.0	3.0	NORMALE
23	181839068471	6.0	0.0	6.0	NORMALE
24	181839066587	1.0	0.0	1.0	NORMALE
25	2092369000	10.0	0.0	10.0	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	0.0	0.0	0.0	NORMALE
28	181839065430	5.5	0.0	5.5	NORMALE
29	171739068663	2.0	0.0	2.0	NORMALE
30	181839071635	4.5	0.0	4.5	NORMALE
31	171739074280	1.0	0.0	1.0	NORMALE
32	171739068304	0.0	0.0	0.0	NORMALE
33	171739066271	4.0	0.0	4.0	NORMALE
34	171539076249	0.0	0.0	0.0	NORMALE
35	171539070766	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Hydratation et structuration des pates de Ciment / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	5.0	0.0	5.0	NORMALE
4	171739064399	0.5	0.0	0.5	NORMALE
5	171739075154	6.0	0.0	6.0	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	5.5	0.0	5.5	NORMALE
8	21119040818	10.0	0.0	10.0	NORMALE
9	181839071639	6.0	0.0	6.0	NORMALE
10	181839066391	6.0	0.0	6.0	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	0.0	0.0	0.0	NORMALE
13	181839065331	9.0	0.0	9.0	NORMALE
14	20891701198	6.5	0.0	6.5	NORMALE
15	181839066581	4.5	0.0	4.5	NORMALE
16	181839068212	0.0	0.0	0.0	NORMALE
17	161639077299	0.0	0.0	0.0	NORMALE
18	171739053377	0.5	0.0	0.5	NORMALE
19	171739066308	3.5	0.0	3.5	NORMALE
20	181839065589	0.5	0.0	0.5	NORMALE
21	171739069581	1.5	0.0	1.5	NORMALE
22	181839071624	5.0	0.0	5.0	NORMALE
23	181839068410	10.0	0.0	10.0	NORMALE
24	181839064398	7.5	0.0	7.5	NORMALE
25	2097822263	18.0	0.0	18.0	NORMALE
26	171739070111	0.0	0.0	0.0	NORMALE
27	171739071299	7.0	0.0	7.0	NORMALE
28	171739068442	1.0	0.0	1.0	NORMALE
29	181839070284	3.5	0.0	3.5	NORMALE
30	181839066592	7.0	0.0	7.0	NORMALE
31	171739080891	0.0	0.0	0.0	NORMALE
32	171739082011	8.0	0.0	8.0	NORMALE
33	161539077692	9.0	0.0	9.0	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت 2021

Matière: Hydratation et structuration des pâtes de Ciment / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	4.0	0.0	4.0	NORMALE
2	171739064482	0.0	0.0	0.0	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	17.5	0.0	17.5	NORMALE
5	181839062963	1.0	0.0	1.0	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	1.0	0.0	1.0	NORMALE
8	171739074762	0.0	0.0	0.0	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	3.5	0.0	3.5	NORMALE
11	171739066707	5.5	0.0	5.5	NORMALE
12	181839066593	2.0	0.0	2.0	NORMALE
13	171739070204	0.0	0.0	0.0	NORMALE
14	161739081498	0.5	0.0	0.5	NORMALE
15	171739070740	5.0	0.0	5.0	NORMALE
16	181839063295	3.5	0.0	3.5	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	5.0	0.0	5.0	NORMALE
19	181839066473	2.5	0.0	2.5	NORMALE
20	19119049094	5.0	0.0	5.0	NORMALE
21	181839071162	2.0	0.0	2.0	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	1.5	0.0	1.5	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	0.0	0.0	0.0	NORMALE
26	171739065423	1.0	0.0	1.0	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	2.5	0.0	2.5	NORMALE
29	161639077343	3.0	0.0	3.0	NORMALE
30	171739068449	0.0	0.0	0.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	1.0	0.0	1.0	NORMALE
33	171739067591	0.0	0.0	0.0	NORMALE
34	181839066630	3.0	0.0	3.0	NORMALE
35	181839067153	2.0	0.0	2.0	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	6.0	0.0	6.0	NORMALE
38	161539075171	0.5	0.0	0.5	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Informatique Appliquée / Section A / 1**PV de délibération par matière (Session NORMALE)**

#	Matricule	Examen	CC	MG	Session
1	181839071633	0.0	6.0	6.0	NORMALE
2	181839066586	0.0	12.7	12.7	NORMALE
3	171739067666	0.0	12.32	12.32	NORMALE
4	181839065410	0.0	13.2	13.2	NORMALE
5	181839067097	0.0	13.45	13.45	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	0.0	0.0	NORMALE
8	181839069920	0.0	10.5	10.5	NORMALE
9	181839063223	0.0	13.7	13.7	NORMALE
10	171739070800	0.0	15.85	15.85	NORMALE
11	161639078516	0.0	0.0	0.0	NORMALE
12	20902501266	0.0	17.9	17.9	NORMALE
13	171739068460	0.0	13.7	13.7	NORMALE
14	161639069939	0.0	15.1	15.1	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	0.0	14.6	14.6	NORMALE
18	181839065197	0.0	14.5	14.5	NORMALE
19	181839066193	0.0	16.45	16.45	NORMALE
20	171739055114	0.0	12.2	12.2	NORMALE
21	181839066594	0.0	13.25	13.25	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	0.0	10.4	10.4	NORMALE
24	171739066766	10.0	10.0	10.0	NORMALE
25	171739070216	0.0	7.55	7.55	NORMALE
26	181839068423	0.0	13.5	13.5	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	0.0	14.25	14.25	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	12.0	12.0	12.0	NORMALE
33	171739075270	0.0	16.0	16.0	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	0.0	7.35	7.35	NORMALE
36	161539071021	0.0	11.2	11.2	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Informatique Appliquée / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	0.0	13.45	13.45	NORMALE
2	171739052666	0.0	13.9	13.9	NORMALE
3	181839068402	0.0	12.95	12.95	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	11.75	11.75	11.75	NORMALE
7	171739075999	10.88	10.88	10.88	NORMALE
8	161639077167	0.0	13.1	13.1	NORMALE
9	20049054449	0.0	11.35	11.35	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	0.0	13.55	13.55	NORMALE
13	161639071979	0.0	8.75	8.75	NORMALE
14	171739065193	10.5	10.5	10.5	NORMALE
15	181839073604	0.0	11.0	11.0	NORMALE
16	161639075021	0.0	16.1	16.1	NORMALE
17	161639076410	11.0	11.0	11.0	NORMALE
18	181839068204	0.0	11.5	11.5	NORMALE
19	181839066210	0.0	13.45	13.45	NORMALE
20	161639066870	0.0	5.65	5.65	NORMALE
21	171739069802	10.75	10.75	10.75	NORMALE
22	171739071151	0.0	14.25	14.25	NORMALE
23	181839068471	0.0	12.75	12.75	NORMALE
24	181839066587	0.0	14.25	14.25	NORMALE
25	2092369000	0.0	17.9	17.9	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	11.75	11.75	11.75	NORMALE
28	181839065430	0.0	13.5	13.5	NORMALE
29	171739068663	0.0	13.25	13.25	NORMALE
30	181839071635	0.0	10.0	10.0	NORMALE
31	171739074280	11.0	11.0	11.0	NORMALE
32	171739068304	0.0	13.05	13.05	NORMALE
33	171739066271	0.0	13.45	13.45	NORMALE
34	171539076249	0.0	0.0	0.0	NORMALE
35	171539070766	10.88	10.88	10.88	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Informatique Appliquée / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	12.63	12.63	12.63	NORMALE
4	171739064399	0.0	6.9	6.9	NORMALE
5	171739075154	10.88	10.88	10.88	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	0.0	11.25	11.25	NORMALE
8	21119040818	0.0	13.1	13.1	NORMALE
9	181839071639	0.0	11.07	11.07	NORMALE
10	181839066391	0.0	11.35	11.35	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	0.0	0.0	0.0	NORMALE
13	181839065331	0.0	12.5	12.5	NORMALE
14	20891701198	0.0	16.95	16.95	NORMALE
15	181839066581	0.0	12.5	12.5	NORMALE
16	181839068212	0.0	5.45	5.45	NORMALE
17	161639077299	11.25	11.25	11.25	NORMALE
18	171739053377	0.0	13.45	13.45	NORMALE
19	171739066308	0.0	11.25	11.25	NORMALE
20	181839065589	0.0	11.95	11.95	NORMALE
21	171739069581	10.38	10.38	10.38	NORMALE
22	181839071624	0.0	11.95	11.95	NORMALE
23	181839068410	0.0	14.85	14.85	NORMALE
24	181839064398	0.0	14.45	14.45	NORMALE
25	2097822263	0.0	17.95	17.95	NORMALE
26	171739070111	0.0	13.35	13.35	NORMALE
27	171739071299	0.0	13.95	13.95	NORMALE
28	171739068442	0.0	12.6	12.6	NORMALE
29	181839070284	0.0	11.25	11.25	NORMALE
30	181839066592	0.0	14.3	14.3	NORMALE
31	171739080891	11.63	11.63	11.63	NORMALE
32	171739082011	0.0	13.85	13.85	NORMALE
33	161539077692	0.0	8.15	8.15	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Informatique Appliquée / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	11.88	11.88	11.88	NORMALE
2	171739064482	11.5	11.5	11.5	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	0.0	17.9	17.9	NORMALE
5	181839062963	0.0	10.05	10.05	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	0.0	13.85	13.85	NORMALE
8	171739074762	0.0	13.0	13.0	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	0.0	13.2	13.2	NORMALE
11	171739066707	0.0	13.7	13.7	NORMALE
12	181839066593	0.0	14.3	14.3	NORMALE
13	171739070204	12.25	12.25	12.25	NORMALE
14	161739081498	0.0	13.6	13.6	NORMALE
15	171739070740	12.25	12.25	12.25	NORMALE
16	181839063295	0.0	12.85	12.85	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	0.0	14.3	14.3	NORMALE
19	181839066473	0.0	14.3	14.3	NORMALE
20	19119049094	0.0	13.1	13.1	NORMALE
21	181839071162	0.0	14.05	14.05	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	0.0	12.2	12.2	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	0.0	12.4	12.4	NORMALE
26	171739065423	0.0	10.15	10.15	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	0.0	14.15	14.15	NORMALE
29	161639077343	0.0	11.03	11.03	NORMALE
30	171739068449	0.0	0.0	0.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	0.0	0.0	0.0	NORMALE
33	171739067591	0.0	0.0	0.0	NORMALE
34	181839066630	0.0	12.55	12.55	NORMALE
35	181839067153	0.0	12.85	12.85	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	0.0	12.45	12.45	NORMALE
38	161539075171	11.0	11.0	11.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Matériaux de Construction 2 / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839071633	8.75	0.0	8.75	NORMALE
2	181839066586	7.5	0.0	7.5	NORMALE
3	171739067666	6.0	0.0	6.0	NORMALE
4	181839065410	0.5	0.0	0.5	NORMALE
5	181839067097	8.75	0.0	8.75	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	0.0	0.0	NORMALE
8	181839069920	5.25	0.0	5.25	NORMALE
9	181839063223	14.0	0.0	14.0	NORMALE
10	171739070800	11.5	0.0	11.5	NORMALE
11	161639078516	0.0	0.0	0.0	NORMALE
12	20902501266	11.5	0.0	11.5	NORMALE
13	171739068460	7.0	0.0	7.0	NORMALE
14	161639069939	5.0	0.0	5.0	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	16.0	0.0	16.0	NORMALE
18	181839065197	9.0	0.0	9.0	NORMALE
19	181839066193	10.5	0.0	10.5	NORMALE
20	171739055114	3.5	0.0	3.5	NORMALE
21	181839066594	9.5	0.0	9.5	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	11.25	0.0	11.25	NORMALE
24	171739066766	10.0	0.0	10.0	NORMALE
25	171739070216	6.0	0.0	6.0	NORMALE
26	181839068423	4.5	0.0	4.5	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	11.0	0.0	11.0	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	0.0	0.0	0.0	NORMALE
33	171739075270	14.5	0.0	14.5	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	12.0	0.0	12.0	NORMALE
36	161539071021	6.0	0.0	6.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Matériaux de Construction 2 / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	10.0	0.0	10.0	NORMALE
2	171739052666	5.0	0.0	5.0	NORMALE
3	181839068402	0.5	0.0	0.5	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	1.0	0.0	1.0	NORMALE
7	171739075999	0.0	0.0	0.0	NORMALE
8	161639077167	6.0	0.0	6.0	NORMALE
9	20049054449	1.5	0.0	1.5	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	7.0	0.0	7.0	NORMALE
13	161639071979	4.75	0.0	4.75	NORMALE
14	171739065193	0.0	0.0	0.0	NORMALE
15	181839073604	3.5	0.0	3.5	NORMALE
16	161639075021	11.0	0.0	11.0	NORMALE
17	161639076410	2.75	0.0	2.75	NORMALE
18	181839068204	6.0	0.0	6.0	NORMALE
19	181839066210	0.5	0.0	0.5	NORMALE
20	161639066870	0.5	0.0	0.5	NORMALE
21	171739069802	0.0	0.0	0.0	NORMALE
22	171739071151	4.25	0.0	4.25	NORMALE
23	181839068471	1.5	0.0	1.5	NORMALE
24	181839066587	10.0	0.0	10.0	NORMALE
25	2092369000	10.0	0.0	10.0	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	0.0	0.0	0.0	NORMALE
28	181839065430	3.5	0.0	3.5	NORMALE
29	171739068663	10.0	0.0	10.0	NORMALE
30	181839071635	3.5	0.0	3.5	NORMALE
31	171739074280	8.5	0.0	8.5	NORMALE
32	171739068304	0.0	0.0	0.0	NORMALE
33	171739066271	3.0	0.0	3.0	NORMALE
34	171539076249	0.0	0.0	0.0	NORMALE
35	171539070766	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Matériaux de Construction 2 / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	1.25	0.0	1.25	NORMALE
4	171739064399	3.0	0.0	3.0	NORMALE
5	171739075154	10.0	0.0	10.0	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	2.75	0.0	2.75	NORMALE
8	21119040818	9.0	0.0	9.0	NORMALE
9	181839071639	2.0	0.0	2.0	NORMALE
10	181839066391	4.5	0.0	4.5	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	0.0	0.0	0.0	NORMALE
13	181839065331	8.5	0.0	8.5	NORMALE
14	20891701198	13.0	0.0	13.0	NORMALE
15	181839066581	11.0	0.0	11.0	NORMALE
16	181839068212	0.75	0.0	0.75	NORMALE
17	161639077299	10.0	0.0	10.0	NORMALE
18	171739053377	3.0	0.0	3.0	NORMALE
19	171739066308	0.0	0.0	0.0	NORMALE
20	181839065589	7.0	0.0	7.0	NORMALE
21	171739069581	3.0	0.0	3.0	NORMALE
22	181839071624	1.0	0.0	1.0	NORMALE
23	181839068410	7.0	0.0	7.0	NORMALE
24	181839064398	11.0	0.0	11.0	NORMALE
25	2097822263	17.0	0.0	17.0	NORMALE
26	171739070111	0.0	0.0	0.0	NORMALE
27	171739071299	8.5	0.0	8.5	NORMALE
28	171739068442	4.75	0.0	4.75	NORMALE
29	181839070284	6.0	0.0	6.0	NORMALE
30	181839066592	3.5	0.0	3.5	NORMALE
31	171739080891	0.0	0.0	0.0	NORMALE
32	171739082011	10.0	0.0	10.0	NORMALE
33	161539077692	7.0	0.0	7.0	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت

Matière: Matériaux de Construction 2 / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	2.75	0.0	2.75	NORMALE
2	171739064482	0.0	0.0	0.0	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	17.5	0.0	17.5	NORMALE
5	181839062963	8.0	0.0	8.0	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	6.75	0.0	6.75	NORMALE
8	171739074762	0.0	0.0	0.0	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	5.25	0.0	5.25	NORMALE
11	171739066707	11.5	0.0	11.5	NORMALE
12	181839066593	9.0	0.0	9.0	NORMALE
13	171739070204	0.0	0.0	0.0	NORMALE
14	161739081498	12.5	0.0	12.5	NORMALE
15	171739070740	7.25	0.0	7.25	NORMALE
16	181839063295	7.0	0.0	7.0	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	14.0	0.0	14.0	NORMALE
19	181839066473	1.5	0.0	1.5	NORMALE
20	19119049094	17.0	0.0	17.0	NORMALE
21	181839071162	2.25	0.0	2.25	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	10.0	0.0	10.0	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	3.0	0.0	3.0	NORMALE
26	171739065423	7.0	0.0	7.0	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	6.25	0.0	6.25	NORMALE
29	161639077343	7.75	0.0	7.75	NORMALE
30	171739068449	0.0	0.0	0.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	7.0	0.0	7.0	NORMALE
33	171739067591	0.0	0.0	0.0	NORMALE
34	181839066630	2.25	0.0	2.25	NORMALE
35	181839067153	10.5	0.0	10.5	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	13.0	0.0	13.0	NORMALE
38	161539075171	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Méthodes Expérimentables / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839071633	8.0	8.0	8.0	NORMALE
2	181839066586	10.0	17.0	12.8	NORMALE
3	171739067666	11.0	10.0	10.6	NORMALE
4	181839065410	6.0	8.0	6.8	NORMALE
5	181839067097	11.0	8.0	9.8	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	0.0	0.0	NORMALE
8	181839069920	10.0	8.0	9.2	NORMALE
9	181839063223	14.0	15.0	14.4	NORMALE
10	171739070800	8.0	14.0	10.4	NORMALE
11	161639078516	0.0	0.0	0.0	NORMALE
12	20902501266	14.0	13.0	13.6	NORMALE
13	171739068460	8.0	12.0	9.6	NORMALE
14	161639069939	6.0	12.0	8.4	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	13.0	16.0	14.2	NORMALE
18	181839065197	10.0	13.0	11.2	NORMALE
19	181839066193	14.0	10.0	12.4	NORMALE
20	171739055114	0.0	4.0	1.6	NORMALE
21	181839066594	11.0	12.0	11.4	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	9.0	6.0	7.8	NORMALE
24	171739066766	0.0	0.0	0.0	NORMALE
25	171739070216	7.0	8.0	7.4	NORMALE
26	181839068423	9.0	8.0	8.6	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	10.0	13.0	11.2	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	13.5	13.5	13.5	NORMALE
33	171739075270	12.0	13.0	12.4	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	10.0	0.0	6.0	NORMALE
36	161539071021	13.0	11.0	12.2	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Méthodes Expérimentables / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	9.0	14.0	11.0	NORMALE
2	171739052666	11.0	8.0	9.8	NORMALE
3	181839068402	8.0	4.0	6.4	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	9.7	9.7	9.7	NORMALE
7	171739075999	0.0	0.0	0.0	NORMALE
8	161639077167	10.0	10.0	10.0	NORMALE
9	20049054449	12.0	8.0	10.4	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	8.0	10.0	8.8	NORMALE
13	161639071979	9.0	10.0	9.4	NORMALE
14	171739065193	10.0	10.0	10.0	NORMALE
15	181839073604	10.0	10.0	10.0	NORMALE
16	161639075021	16.0	17.0	16.4	NORMALE
17	161639076410	7.0	8.0	7.4	NORMALE
18	181839068204	8.0	6.0	7.2	NORMALE
19	181839066210	7.0	6.0	6.6	NORMALE
20	161639066870	6.0	6.0	6.0	NORMALE
21	171739069802	0.0	0.0	0.0	NORMALE
22	171739071151	6.0	6.0	6.0	NORMALE
23	181839068471	9.0	8.0	8.6	NORMALE
24	181839066587	9.0	12.0	10.2	NORMALE
25	2092369000	12.0	15.0	13.2	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	7.0	7.0	7.0	NORMALE
28	181839065430	10.0	11.0	10.4	NORMALE
29	171739068663	10.0	8.0	9.2	NORMALE
30	181839071635	8.0	8.0	8.0	NORMALE
31	171739074280	9.0	8.0	8.6	NORMALE
32	171739068304	7.0	4.0	5.8	NORMALE
33	171739066271	9.0	11.0	9.8	NORMALE
34	171539076249	10.0	10.0	10.0	NORMALE
35	171539070766	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Méthodes Expérimentables / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	9.0	8.0	8.6	NORMALE
4	171739064399	12.0	8.0	10.4	NORMALE
5	171739075154	10.0	10.0	10.0	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	11.0	8.0	9.8	NORMALE
8	21119040818	12.0	12.0	12.0	NORMALE
9	181839071639	10.0	11.0	10.4	NORMALE
10	181839066391	12.0	8.0	10.4	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	0.0	0.0	0.0	NORMALE
13	181839065331	11.0	13.0	11.8	NORMALE
14	20891701198	13.0	17.0	14.6	NORMALE
15	181839066581	8.0	14.0	10.4	NORMALE
16	181839068212	10.0	4.0	7.6	NORMALE
17	161639077299	10.0	10.0	10.0	NORMALE
18	171739053377	9.0	11.0	9.8	NORMALE
19	171739066308	8.0	13.0	10.0	NORMALE
20	181839065589	8.0	11.0	9.2	NORMALE
21	171739069581	9.1	9.1	9.1	NORMALE
22	181839071624	13.0	13.0	13.0	NORMALE
23	181839068410	12.0	12.0	12.0	NORMALE
24	181839064398	13.0	14.0	13.4	NORMALE
25	2097822263	16.0	17.0	16.4	NORMALE
26	171739070111	6.0	8.0	6.8	NORMALE
27	171739071299	11.0	12.0	11.4	NORMALE
28	171739068442	11.0	8.0	9.8	NORMALE
29	181839070284	7.0	10.0	8.2	NORMALE
30	181839066592	9.0	12.0	10.2	NORMALE
31	171739080891	0.0	0.0	0.0	NORMALE
32	171739082011	11.0	10.0	10.6	NORMALE
33	161539077692	11.0	0.0	6.6	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:**Arrêté d'habilitation de l'offre de**

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Méthodes Expérimentables / Section A / 4**PV de délibération par matière (Session NORMALE)**

#	Matricule	Examen	CC	MG	Session
1	171739072261	9.1	9.1	9.1	NORMALE
2	171739064482	0.0	0.0	0.0	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	14.0	17.0	15.2	NORMALE
5	181839062963	11.0	4.0	8.2	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	6.0	10.0	7.6	NORMALE
8	171739074762	0.0	4.0	1.6	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	7.0	8.0	7.4	NORMALE
11	171739066707	11.0	14.0	12.2	NORMALE
12	181839066593	10.0	11.0	10.4	NORMALE
13	171739070204	10.08	10.08	10.08	NORMALE
14	161739081498	12.0	11.0	11.6	NORMALE
15	171739070740	6.4	6.4	6.4	NORMALE
16	181839063295	6.0	13.0	8.8	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	9.0	12.0	10.2	NORMALE
19	181839066473	7.0	4.0	5.8	NORMALE
20	19119049094	10.0	13.0	11.2	NORMALE
21	181839071162	10.0	4.0	7.6	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	8.0	8.0	8.0	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	0.0	10.0	4.0	NORMALE
26	171739065423	7.0	6.0	6.6	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	5.0	10.0	7.0	NORMALE
29	161639077343	7.0	4.0	5.8	NORMALE
30	171739068449	0.0	0.0	0.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	4.0	4.0	4.0	NORMALE
33	171739067591	0.0	0.0	0.0	NORMALE
34	181839066630	7.0	10.0	8.2	NORMALE
35	181839067153	6.0	13.0	8.8	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	10.0	15.0	12.0	NORMALE
38	161539075171	11.0	6.0	9.0	NORMALE

Signature de l'enseignant:

Le:

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2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Ouvrage en Acier / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839071633	5.25	11.0	7.55	NORMALE
2	181839066586	10.5	14.25	12.0	NORMALE
3	171739067666	8.5	13.0	10.3	NORMALE
4	181839065410	5.0	13.0	8.2	NORMALE
5	181839067097	8.0	14.0	10.4	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	0.0	0.0	NORMALE
8	181839069920	3.5	13.5	7.5	NORMALE
9	181839063223	9.75	12.75	10.95	NORMALE
10	171739070800	13.25	14.5	13.75	NORMALE
11	161639078516	10.6	10.6	10.6	NORMALE
12	20902501266	8.0	15.5	11.0	NORMALE
13	171739068460	10.0	15.0	12.0	NORMALE
14	161639069939	13.0	14.5	13.6	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	8.0	14.0	10.4	NORMALE
18	181839065197	10.0	14.5	11.8	NORMALE
19	181839066193	10.0	14.0	11.6	NORMALE
20	171739055114	2.0	13.0	6.4	NORMALE
21	181839066594	12.75	14.5	13.45	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	7.0	12.5	9.2	NORMALE
24	171739066766	0.0	0.0	0.0	NORMALE
25	171739070216	6.25	10.5	7.95	NORMALE
26	181839068423	8.5	12.25	10.0	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	10.0	14.0	11.6	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	4.0	10.0	6.4	NORMALE
33	171739075270	10.0	15.0	12.0	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	3.0	12.0	6.6	NORMALE
36	161539071021	9.0	13.5	10.8	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Ouvrage en Acier / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	14.5	15.0	14.7	NORMALE
2	171739052666	10.5	14.5	12.1	NORMALE
3	181839068402	5.75	13.25	8.75	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	5.5	13.5	8.7	NORMALE
7	171739075999	10.8	10.8	10.8	NORMALE
8	161639077167	6.25	13.25	9.05	NORMALE
9	20049054449	10.0	12.5	11.0	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	12.0	12.5	12.2	NORMALE
13	161639071979	4.75	13.75	8.35	NORMALE
14	171739065193	0.0	0.0	0.0	NORMALE
15	181839073604	4.0	13.0	7.6	NORMALE
16	161639075021	14.0	14.5	14.2	NORMALE
17	161639076410	5.25	13.75	8.65	NORMALE
18	181839068204	8.75	12.0	10.05	NORMALE
19	181839066210	5.5	11.0	7.7	NORMALE
20	161639066870	7.75	10.0	8.65	NORMALE
21	171739069802	0.0	0.0	0.0	NORMALE
22	171739071151	7.0	14.5	10.0	NORMALE
23	181839068471	8.0	13.0	10.0	NORMALE
24	181839066587	13.25	14.0	13.55	NORMALE
25	2092369000	12.75	15.0	13.65	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	0.0	10.0	4.0	NORMALE
28	181839065430	11.0	14.25	12.3	NORMALE
29	171739068663	9.75	14.25	11.55	NORMALE
30	181839071635	6.5	12.5	8.9	NORMALE
31	171739074280	0.0	14.25	5.7	NORMALE
32	171739068304	3.0	12.5	6.8	NORMALE
33	171739066271	4.25	13.25	7.85	NORMALE
34	171539076249	0.0	0.0	0.0	NORMALE
35	171539070766	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Ouvrage en Acier / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	11.0	15.0	12.6	NORMALE
4	171739064399	8.25	12.75	10.05	NORMALE
5	171739075154	10.75	11.0	10.85	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	6.25	13.0	8.95	NORMALE
8	21119040818	10.25	14.5	11.95	NORMALE
9	181839071639	8.0	13.0	10.0	NORMALE
10	181839066391	8.5	12.5	10.1	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	0.0	0.0	0.0	NORMALE
13	181839065331	5.0	13.0	8.2	NORMALE
14	20891701198	7.0	15.0	10.2	NORMALE
15	181839066581	10.5	14.0	11.9	NORMALE
16	181839068212	5.0	13.25	8.3	NORMALE
17	161639077299	0.0	0.0	0.0	NORMALE
18	171739053377	11.25	12.0	11.55	NORMALE
19	171739066308	5.25	13.0	8.35	NORMALE
20	181839065589	10.25	15.25	12.25	NORMALE
21	171739069581	5.5	0.0	3.3	NORMALE
22	181839071624	8.0	13.0	10.0	NORMALE
23	181839068410	7.75	13.5	10.05	NORMALE
24	181839064398	10.5	15.0	12.3	NORMALE
25	2097822263	13.0	15.0	13.8	NORMALE
26	171739070111	4.0	13.25	7.7	NORMALE
27	171739071299	12.0	12.0	12.0	NORMALE
28	171739068442	6.5	12.5	8.9	NORMALE
29	181839070284	7.75	13.5	10.05	NORMALE
30	181839066592	7.75	13.5	10.05	NORMALE
31	171739080891	0.0	0.0	0.0	NORMALE
32	171739082011	11.5	14.25	12.6	NORMALE
33	161539077692	10.25	12.75	11.25	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت 2021

Matière: Ouvrage en Acier / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	8.0	13.0	10.0	NORMALE
2	171739064482	0.0	0.0	0.0	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	18.5	15.5	17.3	NORMALE
5	181839062963	7.75	11.75	9.35	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	7.75	11.0	9.05	NORMALE
8	171739074762	0.0	14.75	5.9	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	13.25	14.5	13.75	NORMALE
11	171739066707	8.0	13.5	10.2	NORMALE
12	181839066593	9.5	13.5	11.1	NORMALE
13	171739070204	0.0	0.0	0.0	NORMALE
14	161739081498	14.0	14.0	14.0	NORMALE
15	171739070740	10.0	10.0	10.0	NORMALE
16	181839063295	12.5	15.0	13.5	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	12.25	12.5	12.35	NORMALE
19	181839066473	11.5	12.75	12.0	NORMALE
20	19119049094	15.0	13.5	14.4	NORMALE
21	181839071162	6.0	12.25	8.5	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	9.5	12.75	10.8	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	0.0	13.5	5.4	NORMALE
26	171739065423	7.75	13.5	10.05	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	8.0	13.25	10.1	NORMALE
29	161639077343	10.0	0.0	6.0	NORMALE
30	171739068449	0.0	0.0	0.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	10.0	13.25	11.3	NORMALE
33	171739067591	0.0	0.0	0.0	NORMALE
34	181839066630	8.0	13.0	10.0	NORMALE
35	181839067153	11.5	14.0	12.5	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	12.5	14.0	13.1	NORMALE
38	161539075171	10.0	13.25	11.3	NORMALE

Signature de l'enseignant:

Le:

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Filière: génie civil
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Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Plasticité et endommagement / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839071633	2.0	10.0	5.2	NORMALE
2	181839066586	11.0	10.5	10.8	NORMALE
3	171739067666	2.0	11.0	5.6	NORMALE
4	181839065410	2.0	10.5	5.4	NORMALE
5	181839067097	2.0	10.5	5.4	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	0.0	0.0	NORMALE
8	181839069920	0.0	12.0	4.8	NORMALE
9	181839063223	7.0	12.0	9.0	NORMALE
10	171739070800	14.5	17.0	15.5	NORMALE
11	161639078516	0.0	0.0	0.0	NORMALE
12	20902501266	11.0	15.5	12.8	NORMALE
13	171739068460	2.0	11.0	5.6	NORMALE
14	161639069939	6.0	11.0	8.0	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	2.0	11.0	5.6	NORMALE
18	181839065197	11.0	16.0	13.0	NORMALE
19	181839066193	2.0	10.5	5.4	NORMALE
20	171739055114	2.0	10.0	5.2	NORMALE
21	181839066594	7.0	15.0	10.2	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	3.0	6.0	4.2	NORMALE
24	171739066766	0.0	0.0	0.0	NORMALE
25	171739070216	2.0	11.0	5.6	NORMALE
26	181839068423	6.0	11.0	8.0	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	7.0	12.5	9.2	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	0.0	12.5	5.0	NORMALE
33	171739075270	14.0	16.0	14.8	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	10.5	10.5	10.5	NORMALE
36	161539071021	3.0	11.0	6.2	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Plasticité et endommagement / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	13.0	15.0	13.8	NORMALE
2	171739052666	7.5	13.5	9.9	NORMALE
3	181839068402	2.0	10.0	5.2	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	4.0	10.5	6.6	NORMALE
7	171739075999	0.0	0.0	0.0	NORMALE
8	161639077167	2.0	11.0	5.6	NORMALE
9	20049054449	10.0	10.0	10.0	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	11.0	13.0	11.8	NORMALE
13	161639071979	6.0	11.0	8.0	NORMALE
14	171739065193	0.0	0.0	0.0	NORMALE
15	181839073604	4.0	10.5	6.6	NORMALE
16	161639075021	13.0	12.0	12.6	NORMALE
17	161639076410	11.2	11.2	11.2	NORMALE
18	181839068204	4.0	9.0	6.0	NORMALE
19	181839066210	6.0	10.5	7.8	NORMALE
20	161639066870	2.0	11.5	5.8	NORMALE
21	171739069802	0.0	0.0	0.0	NORMALE
22	171739071151	6.0	13.0	8.8	NORMALE
23	181839068471	4.0	11.0	6.8	NORMALE
24	181839066587	9.0	14.0	11.0	NORMALE
25	2092369000	16.0	16.0	16.0	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	0.0	11.0	4.4	NORMALE
28	181839065430	9.0	16.5	12.0	NORMALE
29	171739068663	6.0	10.5	7.8	NORMALE
30	181839071635	8.0	9.0	8.4	NORMALE
31	171739074280	0.0	13.0	5.2	NORMALE
32	171739068304	2.0	10.5	5.4	NORMALE
33	171739066271	2.0	16.0	7.6	NORMALE
34	171539076249	0.0	0.0	0.0	NORMALE
35	171539070766	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Plasticité et endommagement / Section A / 3**PV de délibération par matière (Session NORMALE)**

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	11.0	12.5	11.6	NORMALE
4	171739064399	5.0	12.0	7.8	NORMALE
5	171739075154	5.0	10.0	7.0	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	7.0	10.0	8.2	NORMALE
8	21119040818	9.0	13.5	10.8	NORMALE
9	181839071639	5.0	11.0	7.4	NORMALE
10	181839066391	6.0	11.0	8.0	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	11.6	11.6	11.6	NORMALE
13	181839065331	8.0	14.0	10.4	NORMALE
14	20891701198	9.0	15.5	11.6	NORMALE
15	181839066581	7.0	14.5	10.0	NORMALE
16	181839068212	0.0	9.0	3.6	NORMALE
17	161639077299	0.0	5.0	2.0	NORMALE
18	171739053377	4.0	14.0	8.0	NORMALE
19	171739066308	0.0	10.5	4.2	NORMALE
20	181839065589	3.0	13.0	7.0	NORMALE
21	171739069581	4.0	7.0	5.2	NORMALE
22	181839071624	1.5	12.0	5.7	NORMALE
23	181839068410	7.0	13.5	9.6	NORMALE
24	181839064398	13.0	15.5	14.0	NORMALE
25	2097822263	8.0	15.5	11.0	NORMALE
26	171739070111	0.0	12.0	4.8	NORMALE
27	171739071299	6.0	14.0	9.2	NORMALE
28	171739068442	2.0	12.0	6.0	NORMALE
29	181839070284	6.0	14.0	9.2	NORMALE
30	181839066592	9.0	11.0	9.8	NORMALE
31	171739080891	0.0	0.0	0.0	NORMALE
32	171739082011	5.0	13.0	8.2	NORMALE
33	161539077692	9.0	9.0	9.0	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

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2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Plasticité et endommagement / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	2.0	11.0	5.6	NORMALE
2	171739064482	0.0	4.0	1.6	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	11.0	15.0	12.6	NORMALE
5	181839062963	4.0	10.5	6.6	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	1.5	10.0	4.9	NORMALE
8	171739074762	0.0	11.0	4.4	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	9.0	12.5	10.4	NORMALE
11	171739066707	14.5	12.0	13.5	NORMALE
12	181839066593	10.5	13.5	11.7	NORMALE
13	171739070204	0.0	0.0	0.0	NORMALE
14	161739081498	15.0	13.0	14.2	NORMALE
15	171739070740	6.0	14.0	9.2	NORMALE
16	181839063295	14.0	14.5	14.2	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	11.0	15.0	12.6	NORMALE
19	181839066473	3.0	11.0	6.2	NORMALE
20	19119049094	17.0	16.0	16.6	NORMALE
21	181839071162	3.0	7.0	4.6	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	7.0	13.0	9.4	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	3.0	13.0	7.0	NORMALE
26	171739065423	1.0	13.5	6.0	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	5.0	11.0	7.4	NORMALE
29	161639077343	12.0	0.0	7.2	NORMALE
30	171739068449	0.0	0.0	0.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	1.0	8.0	3.8	NORMALE
33	171739067591	0.0	0.0	0.0	NORMALE
34	181839066630	2.0	13.5	6.6	NORMALE
35	181839067153	13.5	14.0	13.7	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	11.0	11.0	11.0	NORMALE
38	161539075171	10.9	10.9	10.9	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Rhéologie des Matériaux / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839071633	1.0	0.0	1.0	NORMALE
2	181839066586	3.0	0.0	3.0	NORMALE
3	171739067666	3.0	0.0	3.0	NORMALE
4	181839065410	5.0	0.0	5.0	NORMALE
5	181839067097	3.0	0.0	3.0	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	0.0	0.0	NORMALE
8	181839069920	1.0	0.0	1.0	NORMALE
9	181839063223	6.5	0.0	6.5	NORMALE
10	171739070800	9.5	0.0	9.5	NORMALE
11	161639078516	11.0	0.0	11.0	NORMALE
12	20902501266	12.0	0.0	12.0	NORMALE
13	171739068460	14.0	0.0	14.0	NORMALE
14	161639069939	8.0	0.0	8.0	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	16.5	0.0	16.5	NORMALE
18	181839065197	4.0	0.0	4.0	NORMALE
19	181839066193	5.0	0.0	5.0	NORMALE
20	171739055114	1.0	0.0	1.0	NORMALE
21	181839066594	4.5	0.0	4.5	NORMALE
22	161639065361	0.0	0.0	0.0	NORMALE
23	181839072282	2.0	0.0	2.0	NORMALE
24	171739066766	12.0	0.0	12.0	NORMALE
25	171739070216	1.0	0.0	1.0	NORMALE
26	181839068423	3.0	0.0	3.0	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	10.0	0.0	10.0	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	11.0	0.0	11.0	NORMALE
33	171739075270	14.0	0.0	14.0	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	15.0	0.0	15.0	NORMALE
36	161539071021	1.0	0.0	1.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Rhéologie des Matériaux / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	8.5	0.0	8.5	NORMALE
2	171739052666	13.0	0.0	13.0	NORMALE
3	181839068402	3.0	0.0	3.0	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	14.0	0.0	14.0	NORMALE
7	171739075999	0.0	0.0	0.0	NORMALE
8	161639077167	5.0	0.0	5.0	NORMALE
9	20049054449	10.0	0.0	10.0	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	10.0	0.0	10.0	NORMALE
13	161639071979	4.0	0.0	4.0	NORMALE
14	171739065193	10.0	0.0	10.0	NORMALE
15	181839073604	3.0	0.0	3.0	NORMALE
16	161639075021	15.0	0.0	15.0	NORMALE
17	161639076410	15.0	0.0	15.0	NORMALE
18	181839068204	2.5	0.0	2.5	NORMALE
19	181839066210	3.0	0.0	3.0	NORMALE
20	161639066870	10.0	0.0	10.0	NORMALE
21	171739069802	0.0	0.0	0.0	NORMALE
22	171739071151	3.5	0.0	3.5	NORMALE
23	181839068471	1.0	0.0	1.0	NORMALE
24	181839066587	7.5	0.0	7.5	NORMALE
25	2092369000	8.0	0.0	8.0	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	12.0	0.0	12.0	NORMALE
28	181839065430	8.5	0.0	8.5	NORMALE
29	171739068663	6.0	0.0	6.0	NORMALE
30	181839071635	5.0	0.0	5.0	NORMALE
31	171739074280	14.0	0.0	14.0	NORMALE
32	171739068304	10.0	0.0	10.0	NORMALE
33	171739066271	5.0	0.0	5.0	NORMALE
34	171539076249	12.0	0.0	12.0	NORMALE
35	171539070766	13.0	0.0	13.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Rhéologie des Matériaux / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	0.0	0.0	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	10.0	0.0	10.0	NORMALE
4	171739064399	12.0	0.0	12.0	NORMALE
5	171739075154	11.0	0.0	11.0	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	14.5	0.0	14.5	NORMALE
8	21119040818	6.0	0.0	6.0	NORMALE
9	181839071639	6.0	0.0	6.0	NORMALE
10	181839066391	7.0	0.0	7.0	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	0.0	0.0	0.0	NORMALE
13	181839065331	6.0	0.0	6.0	NORMALE
14	20891701198	13.5	0.0	13.5	NORMALE
15	181839066581	4.0	0.0	4.0	NORMALE
16	181839068212	2.0	0.0	2.0	NORMALE
17	161639077299	12.0	0.0	12.0	NORMALE
18	171739053377	3.5	0.0	3.5	NORMALE
19	171739066308	0.0	0.0	0.0	NORMALE
20	181839065589	6.0	0.0	6.0	NORMALE
21	171739069581	10.0	0.0	10.0	NORMALE
22	181839071624	8.0	0.0	8.0	NORMALE
23	181839068410	6.0	0.0	6.0	NORMALE
24	181839064398	12.5	0.0	12.5	NORMALE
25	2097822263	17.0	0.0	17.0	NORMALE
26	171739070111	1.0	0.0	1.0	NORMALE
27	171739071299	9.0	0.0	9.0	NORMALE
28	171739068442	10.0	0.0	10.0	NORMALE
29	181839070284	4.5	0.0	4.5	NORMALE
30	181839066592	4.5	0.0	4.5	NORMALE
31	171739080891	0.0	0.0	0.0	NORMALE
32	171739082011	9.0	0.0	9.0	NORMALE
33	161539077692	9.0	0.0	9.0	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: Rhéologie des Matériaux / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	3.0	0.0	3.0	NORMALE
2	171739064482	11.0	0.0	11.0	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	15.0	0.0	15.0	NORMALE
5	181839062963	5.5	0.0	5.5	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	1.0	0.0	1.0	NORMALE
8	171739074762	0.0	0.0	0.0	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	13.0	0.0	13.0	NORMALE
11	171739066707	12.0	0.0	12.0	NORMALE
12	181839066593	7.0	0.0	7.0	NORMALE
13	171739070204	14.0	0.0	14.0	NORMALE
14	161739081498	11.0	0.0	11.0	NORMALE
15	171739070740	2.0	0.0	2.0	NORMALE
16	181839063295	5.0	0.0	5.0	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	12.5	0.0	12.5	NORMALE
19	181839066473	5.5	0.0	5.5	NORMALE
20	19119049094	17.75	0.0	17.75	NORMALE
21	181839071162	2.0	0.0	2.0	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	5.5	0.0	5.5	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	4.0	0.0	4.0	NORMALE
26	171739065423	4.0	0.0	4.0	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	2.0	0.0	2.0	NORMALE
29	161639077343	6.0	0.0	6.0	NORMALE
30	171739068449	11.0	0.0	11.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	2.0	0.0	2.0	NORMALE
33	171739067591	10.0	0.0	10.0	NORMALE
34	181839066630	2.5	0.0	2.5	NORMALE
35	181839067153	8.0	0.0	8.0	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	13.5	0.0	13.5	NORMALE
38	161539075171	14.0	0.0	14.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: TP Mécanique des Matériaux / Section A / 1

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839071633	0.0	10.25	10.25	NORMALE
2	181839066586	0.0	14.5	14.5	NORMALE
3	171739067666	0.0	11.75	11.75	NORMALE
4	181839065410	0.0	12.0	12.0	NORMALE
5	181839067097	0.0	12.0	12.0	NORMALE
6	171839080088	0.0	0.0	0.0	NORMALE
7	161639072731	0.0	10.0	10.0	NORMALE
8	181839069920	0.0	11.5	11.5	NORMALE
9	181839063223	0.0	14.0	14.0	NORMALE
10	171739070800	0.0	14.25	14.25	NORMALE
11	161639078516	0.0	15.75	15.75	NORMALE
12	20902501266	0.0	16.0	16.0	NORMALE
13	171739068460	0.0	14.5	14.5	NORMALE
14	161639069939	0.0	15.0	15.0	NORMALE
15	181839067439	0.0	0.0	0.0	NORMALE
16	181839071399	0.0	0.0	0.0	NORMALE
17	2000934945	0.0	16.0	16.0	NORMALE
18	181839065197	0.0	14.5	14.5	NORMALE
19	181839066193	0.0	13.0	13.0	NORMALE
20	171739055114	0.0	13.25	13.25	NORMALE
21	181839066594	0.0	13.25	13.25	NORMALE
22	161639065361	0.0	10.0	10.0	NORMALE
23	181839072282	0.0	10.5	10.5	NORMALE
24	171739066766	0.0	11.5	11.5	NORMALE
25	171739070216	0.0	12.75	12.75	NORMALE
26	181839068423	0.0	12.25	12.25	NORMALE
27	161639076340	0.0	0.0	0.0	NORMALE
28	181839068392	0.0	0.0	0.0	NORMALE
29	181839066491	0.0	14.5	14.5	NORMALE
30	171739074260	0.0	0.0	0.0	NORMALE
31	21079072608	0.0	0.0	0.0	NORMALE
32	191439056793	0.0	15.0	15.0	NORMALE
33	171739075270	0.0	14.5	14.5	NORMALE
34	171739069722	0.0	0.0	0.0	NORMALE
35	161539075635	0.0	12.0	12.0	NORMALE
36	161539071021	0.0	12.75	12.75	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: TP Mécanique des Matériaux / Section A / 2

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	181839067137	0.0	15.0	15.0	NORMALE
2	171739052666	0.0	14.25	14.25	NORMALE
3	181839068402	0.0	11.5	11.5	NORMALE
4	181839072973	0.0	0.0	0.0	NORMALE
5	181839071622	0.0	0.0	0.0	NORMALE
6	171739067301	0.0	12.5	12.5	NORMALE
7	171739075999	0.0	16.88	16.88	NORMALE
8	161639077167	0.0	15.25	15.25	NORMALE
9	20049054449	0.0	15.0	15.0	NORMALE
10	171739075147	0.0	0.0	0.0	NORMALE
11	181839066541	0.0	0.0	0.0	NORMALE
12	181839063224	0.0	13.5	13.5	NORMALE
13	161639071979	0.0	11.25	11.25	NORMALE
14	171739065193	0.0	12.0	12.0	NORMALE
15	181839073604	0.0	12.25	12.25	NORMALE
16	161639075021	0.0	15.0	15.0	NORMALE
17	161639076410	0.0	12.0	12.0	NORMALE
18	181839068204	0.0	11.0	11.0	NORMALE
19	181839066210	0.0	13.0	13.0	NORMALE
20	161639066870	0.0	12.0	12.0	NORMALE
21	171739069802	0.0	10.0	10.0	NORMALE
22	171739071151	0.0	15.0	15.0	NORMALE
23	181839068471	0.0	12.25	12.25	NORMALE
24	181839066587	0.0	11.5	11.5	NORMALE
25	2092369000	0.0	16.0	16.0	NORMALE
26	171739064323	0.0	0.0	0.0	NORMALE
27	171739070646	0.0	14.81	14.81	NORMALE
28	181839065430	0.0	14.5	14.5	NORMALE
29	171739068663	0.0	14.5	14.5	NORMALE
30	181839071635	0.0	10.0	10.0	NORMALE
31	171739074280	0.0	14.0	14.0	NORMALE
32	171739068304	0.0	17.63	17.63	NORMALE
33	171739066271	0.0	11.25	11.25	NORMALE
34	171539076249	0.0	12.5	12.5	NORMALE
35	171539070766	0.0	10.0	10.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: TP Mécanique des Matériaux / Section A / 3

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739067588	0.0	13.5	13.5	NORMALE
2	181839067139	0.0	0.0	0.0	NORMALE
3	161639067544	0.0	10.0	10.0	NORMALE
4	171739064399	0.0	12.0	12.0	NORMALE
5	171739075154	0.0	12.0	12.0	NORMALE
6	161639072418	0.0	0.0	0.0	NORMALE
7	171739074421	0.0	12.0	12.0	NORMALE
8	21119040818	0.0	13.25	13.25	NORMALE
9	181839071639	0.0	13.25	13.25	NORMALE
10	181839066391	0.0	11.5	11.5	NORMALE
11	171739065243	0.0	0.0	0.0	NORMALE
12	161639075233	0.0	11.5	11.5	NORMALE
13	181839065331	0.0	14.25	14.25	NORMALE
14	20891701198	0.0	16.0	16.0	NORMALE
15	181839066581	0.0	13.0	13.0	NORMALE
16	181839068212	0.0	10.25	10.25	NORMALE
17	161639077299	0.0	14.25	14.25	NORMALE
18	171739053377	0.0	15.25	15.25	NORMALE
19	171739066308	0.0	13.25	13.25	NORMALE
20	181839065589	0.0	13.5	13.5	NORMALE
21	171739069581	0.0	11.5	11.5	NORMALE
22	181839071624	0.0	11.25	11.25	NORMALE
23	181839068410	0.0	14.75	14.75	NORMALE
24	181839064398	0.0	15.0	15.0	NORMALE
25	2097822263	0.0	16.5	16.5	NORMALE
26	171739070111	0.0	13.5	13.5	NORMALE
27	171739071299	0.0	15.0	15.0	NORMALE
28	171739068442	0.0	15.0	15.0	NORMALE
29	181839070284	0.0	12.0	12.0	NORMALE
30	181839066592	0.0	12.75	12.75	NORMALE
31	171739080891	0.0	11.75	11.75	NORMALE
32	171739082011	0.0	13.5	13.5	NORMALE
33	161539077692	0.0	11.75	11.75	NORMALE
34	171539071050	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: génie civil
matériaux en génie civil

Niveau:

Arrêté d'habilitation de l'offre de

قرار رقم 835 المؤرخ في 27 أوت N°

Matière: TP Mécanique des Matériaux / Section A / 4

PV de délibération par matière (Session NORMALE)

#	Matricule	Examen	CC	MG	Session
1	171739072261	0.0	11.5	11.5	NORMALE
2	171739064482	0.0	15.75	15.75	NORMALE
3	161639075502	0.0	0.0	0.0	NORMALE
4	20900901266	0.0	17.0	17.0	NORMALE
5	181839062963	0.0	11.0	11.0	NORMALE
6	181839071932	0.0	0.0	0.0	NORMALE
7	181839068352	0.0	11.0	11.0	NORMALE
8	171739074762	0.0	11.25	11.25	NORMALE
9	171739075163	0.0	0.0	0.0	NORMALE
10	171739053449	0.0	13.25	13.25	NORMALE
11	171739066707	0.0	12.75	12.75	NORMALE
12	181839066593	0.0	12.5	12.5	NORMALE
13	171739070204	0.0	12.5	12.5	NORMALE
14	161739081498	0.0	13.5	13.5	NORMALE
15	171739070740	0.0	14.81	14.81	NORMALE
16	181839063295	0.0	13.0	13.0	NORMALE
17	181839071625	0.0	0.0	0.0	NORMALE
18	181839063214	0.0	14.75	14.75	NORMALE
19	181839066473	0.0	11.5	11.5	NORMALE
20	19119049094	0.0	12.5	12.5	NORMALE
21	181839071162	0.0	12.25	12.25	NORMALE
22	181839069455	0.0	0.0	0.0	NORMALE
23	181839066167	0.0	13.0	13.0	NORMALE
24	181839065408	0.0	0.0	0.0	NORMALE
25	181839073316	0.0	14.25	14.25	NORMALE
26	171739065423	0.0	12.0	12.0	NORMALE
27	21069052433	0.0	0.0	0.0	NORMALE
28	171739069611	0.0	13.25	13.25	NORMALE
29	161639077343	0.0	0.0	0.0	NORMALE
30	171739068449	0.0	10.0	10.0	NORMALE
31	161639072676	0.0	0.0	0.0	NORMALE
32	181839068417	0.0	11.5	11.5	NORMALE
33	171739067591	0.0	11.5	11.5	NORMALE
34	181839066630	0.0	12.25	12.25	NORMALE
35	181839067153	0.0	12.75	12.75	NORMALE
36	161639068586	0.0	0.0	0.0	NORMALE
37	211539084006	0.0	15.5	15.5	NORMALE
38	161539075171	0.0	12.5	12.5	NORMALE

Signature de l'enseignant:

Le:

