



2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: conversion d'énergie / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	12.0	14.0	12.8
2	191939064468	12.0	13.0	12.4
3	21039049667	0.0	0.0	0.0
4	181839067862	7.0	10.0	8.2
5	191939067943	12.0	13.0	12.4
6	191939073130	10.0	12.0	10.8
7	181839068209	15.0	16.0	15.4
8	181839068227	13.0	14.0	13.4
9	191939067981	11.0	12.0	11.4
10	181839068454	2.0	5.0	3.2
11	181839063191	14.0	15.0	14.4
12	191939066791	15.0	16.0	15.4
13	21069060602	0.0	0.0	0.0
14	171739081865	2.0	5.0	3.2
15	161639077207	11.2	11.2	11.2
16	191939067966	10.0	12.0	10.8
17	181839069883	14.0	15.0	14.4
18	191939068404	12.0	12.0	12.0
19	191939069703	11.0	12.0	11.4
20	171739067225	15.0	15.0	15.0
21	181839069001	0.0	0.0	0.0
22	19109042483	5.0	7.0	5.8
23	161339047191	0.0	0.0	0.0
24	171731095738	12.0	13.0	12.4
25	21079051917	0.0	0.0	0.0
26	181839063170	12.0	14.0	12.8
27	181839073434	10.6	10.6	10.6
28	161439060304	7.0	10.0	8.2
29	191939065951	8.0	11.0	9.2
30	171739081487	3.0	5.0	3.8
31	191939066294	12.0	14.0	12.8
32	181839069352	11.0	13.0	11.8
33	191939065003	13.0	13.0	13.0

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: conversion d'énergie / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	7.0	8.0	7.4
2	181839053567	12.0	12.0	12.0
3	21932301784	12.0	13.0	12.4
4	181839073368	6.0	8.0	6.8
5	181839070140	11.0	13.0	11.8
6	191939071227	13.0	15.0	13.8
7	171739063614	7.0	10.0	8.2
8	181839065365	12.0	14.0	12.8
9	161639083684	5.0	8.0	6.2
10	181839068420	6.0	8.0	6.8
11	181839064507	14.0	14.0	14.0
12	181839067129	10.4	10.4	10.4
13	161539070969	6.0	8.0	6.8
14	181839069389	13.0	13.0	13.0
15	21054125750	10.0	12.0	10.8
16	171539078987	0.0	0.0	0.0
17	181839072204	13.0	15.0	13.8
18	191939065926	15.0	16.0	15.4
19	181839065338	10.4	10.4	10.4
20	181839066386	8.0	10.0	8.8
21	181839066377	0.0	0.0	0.0
22	181839067926	14.2	14.2	14.2
23	171739070680	5.0	8.0	6.2
24	181839053612	10.0	12.0	10.8
25	161639075872	8.0	10.0	8.8
26	2199926967	17.0	17.0	17.0
27	191939073157	11.0	13.0	11.8
28	191939064241	15.0	16.0	15.4
29	181839071576	9.4	9.4	9.4
30	181839063979	10.0	12.0	10.8
31	171739071905	7.0	8.0	7.4

Signature de l'enseignant:

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2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: conversion d'énergie / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	4.0	6.0	4.8
2	191939071343	15.0	16.0	15.4
3	171739070507	11.6	11.6	11.6
4	181839065641	10.0	11.0	10.4
5	171739075704	10.0	10.0	10.0
6	161739082246	8.0	10.0	8.8
7	181839064895	10.8	10.8	10.8
8	171739076414	11.0	11.0	11.0
9	191939068407	7.0	9.0	7.8
10	191939067938	8.0	10.0	8.8
11	181839067106	13.4	13.4	13.4
12	2199925154	15.0	16.0	15.4
13	191939068765	15.0	16.0	15.4
14	181839065691	10.0	11.0	10.4
15	181839066507	7.0	10.0	8.2
16	181839067927	14.2	14.2	14.2
17	181839066524	10.6	10.6	10.6
18	171739071371	10.5	10.5	10.5
19	191939065087	13.0	14.0	13.4
20	161639069038	10.0	10.0	10.0
21	181839065670	11.0	11.0	11.0
22	181839071437	8.0	10.0	8.8
23	171739081668	8.0	10.0	8.8
24	191939073082	15.0	16.0	15.4
25	171739074204	11.7	11.7	11.7
26	181839068985	9.0	11.0	9.8
27	171739065522	9.2	9.2	9.2
28	181839071536	3.0	5.0	3.8
29	2199325295	15.0	16.0	15.4
30	191939079679	9.0	11.0	9.8
31	171739076725	15.0	16.0	15.4
32	161639070164	11.6	11.6	11.6

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: conversion d'énergie / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	0.0	0.0	0.0
2	161639069705	13.0	14.0	13.4
3	181839073303	10.2	10.2	10.2
4	20069040952	10.0	11.0	10.4
5	171739071885	10.0	11.0	10.4
6	161439066307	10.18	10.18	10.18
7	171739064660	7.6	7.6	7.6
8	181839070222	9.35	9.35	9.35
9	181839065599	11.0	12.0	11.4
10	171739069766	0.0	0.0	0.0
11	191939072461	17.0	17.0	17.0
12	171739064214	11.5	12.0	11.7
13	181839068975	10.2	10.2	10.2
14	191939068372	3.0	5.0	3.8
15	21099043698	12.0	13.0	12.4
16	191939069745	16.0	16.0	16.0
17	171739067077	9.2	9.2	9.2
18	191939065200	9.0	10.0	9.4
19	21039049682	13.0	14.0	13.4
20	191939073497	6.0	8.0	6.8
21	181839068450	14.0	15.0	14.4
22	181839068274	14.0	15.0	14.4
23	181839069871	12.0	14.0	12.8
24	171739072238	18.0	17.0	17.6
25	191939068046	12.0	14.0	12.8
26	191939067163	13.0	14.0	13.4
27	191939070937	10.0	11.0	10.4
28	2198805811	12.0	13.0	12.4
29	2100928246	13.0	14.0	13.4
30	191939068251	0.0	0.0	0.0
31	191939068047	10.0	12.0	10.8

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2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Environnement et développement durable / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	10.0	0.0	10.0
2	191939064468	4.5	0.0	4.5
3	21039049667	0.0	0.0	0.0
4	181839067862	11.0	0.0	11.0
5	191939067943	11.5	0.0	11.5
6	191939073130	13.0	0.0	13.0
7	181839068209	11.0	0.0	11.0
8	181839068227	10.0	0.0	10.0
9	191939067981	9.0	0.0	9.0
10	181839068454	11.0	0.0	11.0
11	181839063191	11.0	0.0	11.0
12	191939066791	11.5	0.0	11.5
13	21069060602	0.0	0.0	0.0
14	171739081865	15.0	0.0	15.0
15	161639077207	8.5	0.0	8.5
16	191939067966	5.5	0.0	5.5
17	181839069883	10.0	0.0	10.0
18	191939068404	8.5	0.0	8.5
19	191939069703	7.5	0.0	7.5
20	171739067225	14.0	0.0	14.0
21	181839069001	14.5	0.0	14.5
22	19109042483	13.0	0.0	13.0
23	161339047191	10.0	0.0	10.0
24	171731095738	12.0	0.0	12.0
25	21079051917	0.0	0.0	0.0
26	181839063170	10.0	0.0	10.0
27	181839073434	11.5	0.0	11.5
28	161439060304	10.0	0.0	10.0
29	191939065951	12.5	0.0	12.5
30	171739081487	15.5	0.0	15.5
31	191939066294	7.0	0.0	7.0
32	181839069352	10.5	0.0	10.5
33	191939065003	16.0	0.0	16.0

Signature de l'enseignant:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Environnement et développement durable / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	10.0	0.0	10.0
2	181839053567	13.0	0.0	13.0
3	21932301784	13.0	0.0	13.0
4	181839073368	11.0	0.0	11.0
5	181839070140	12.0	0.0	12.0
6	191939071227	9.5	0.0	9.5
7	171739063614	13.5	0.0	13.5
8	181839065365	12.0	0.0	12.0
9	161639083684	10.0	0.0	10.0
10	181839068420	14.0	0.0	14.0
11	181839064507	19.5	0.0	19.5
12	181839067129	18.5	0.0	18.5
13	161539070969	14.5	0.0	14.5
14	181839069389	16.0	0.0	16.0
15	21054125750	15.5	0.0	15.5
16	171539078987	8.5	0.0	8.5
17	181839072204	12.0	0.0	12.0
18	191939065926	13.5	0.0	13.5
19	181839065338	12.0	0.0	12.0
20	181839066386	15.0	0.0	15.0
21	181839066377	0.0	0.0	0.0
22	181839067926	11.5	0.0	11.5
23	171739070680	13.0	0.0	13.0
24	181839053612	10.25	0.0	10.25
25	161639075872	7.0	0.0	7.0
26	2199926967	17.0	0.0	17.0
27	191939073157	13.5	0.0	13.5
28	191939064241	13.0	0.0	13.0
29	181839071576	11.5	0.0	11.5
30	181839063979	12.0	0.0	12.0
31	171739071905	10.0	0.0	10.0

Signature de l'enseignant:

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2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Environnement et développement durable / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	6.0	0.0	6.0
2	191939071343	10.0	0.0	10.0
3	171739070507	16.0	0.0	16.0
4	181839065641	6.0	0.0	6.0
5	171739075704	15.5	0.0	15.5
6	161739082246	17.5	0.0	17.5
7	181839064895	13.0	0.0	13.0
8	171739076414	14.5	0.0	14.5
9	191939068407	7.5	0.0	7.5
10	191939067938	7.0	0.0	7.0
11	181839067106	10.5	0.0	10.5
12	2199925154	14.5	0.0	14.5
13	191939068765	15.0	0.0	15.0
14	181839065691	10.0	0.0	10.0
15	181839066507	14.5	0.0	14.5
16	181839067927	12.5	0.0	12.5
17	181839066524	15.5	0.0	15.5
18	171739071371	15.5	0.0	15.5
19	191939065087	13.5	0.0	13.5
20	161639069038	15.0	0.0	15.0
21	181839065670	11.0	0.0	11.0
22	181839071437	9.0	0.0	9.0
23	171739081668	12.0	0.0	12.0
24	191939073082	13.0	0.0	13.0
25	171739074204	14.5	0.0	14.5
26	181839068985	12.5	0.0	12.5
27	171739065522	11.0	0.0	11.0
28	181839071536	10.5	0.0	10.5
29	2199325295	15.0	0.0	15.0
30	191939079679	10.0	0.0	10.0
31	171739076725	15.5	0.0	15.5
32	161639070164	13.0	0.0	13.0

Signature de l'enseignant:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Environnement et développement durable / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	10.0	0.0	10.0
2	161639069705	12.5	0.0	12.5
3	181839073303	8.5	0.0	8.5
4	20069040952	15.5	0.0	15.5
5	171739071885	15.5	0.0	15.5
6	161439066307	12.0	0.0	12.0
7	171739064660	10.0	0.0	10.0
8	181839070222	11.0	0.0	11.0
9	181839065599	9.5	0.0	9.5
10	171739069766	0.0	0.0	0.0
11	191939072461	12.5	0.0	12.5
12	171739064214	10.0	0.0	10.0
13	181839068975	13.0	0.0	13.0
14	191939068372	10.0	0.0	10.0
15	21099043698	10.0	0.0	10.0
16	191939069745	17.5	0.0	17.5
17	171739067077	10.0	0.0	10.0
18	191939065200	9.5	0.0	9.5
19	21039049682	7.0	0.0	7.0
20	191939073497	9.0	0.0	9.0
21	181839068450	10.0	0.0	10.0
22	181839068274	8.5	0.0	8.5
23	181839069871	9.5	0.0	9.5
24	171739072238	14.0	0.0	14.0
25	191939068046	6.5	0.0	6.5
26	191939067163	7.0	0.0	7.0
27	191939070937	9.5	0.0	9.5
28	2198805811	9.0	0.0	9.0
29	2100928246	15.0	0.0	15.0
30	191939068251	0.0	0.0	0.0
31	191939068047	12.5	0.0	12.5

Signature de l'enseignant:

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2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Mécanique des fluides 2 / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	4.0	8.0	5.6
2	191939064468	12.0	9.5	11.0
3	21039049667	0.0	0.0	0.0
4	181839067862	7.0	6.0	6.6
5	191939067943	4.0	11.5	7.0
6	191939073130	8.0	16.0	11.2
7	181839068209	12.0	17.0	14.0
8	181839068227	10.0	16.0	12.4
9	191939067981	9.0	17.0	12.2
10	181839068454	14.0	4.0	10.0
11	181839063191	15.0	20.0	17.0
12	191939066791	11.0	13.5	12.0
13	21069060602	0.0	0.0	0.0
14	171739081865	0.0	0.0	0.0
15	161639077207	9.0	10.0	9.4
16	191939067966	5.0	8.5	6.4
17	181839069883	12.0	8.0	10.4
18	191939068404	4.0	9.0	6.0
19	191939069703	8.0	6.0	7.2
20	171739067225	10.0	12.0	10.8
21	181839069001	0.0	0.0	0.0
22	19109042483	15.0	0.0	9.0
23	161339047191	0.0	0.0	0.0
24	171731095738	0.0	4.0	1.6
25	21079051917	0.0	6.5	2.6
26	181839063170	17.0	11.0	14.6
27	181839073434	10.0	10.0	10.0
28	161439060304	1.0	10.0	4.6
29	191939065951	4.0	5.0	4.4
30	171739081487	0.0	0.0	0.0
31	191939066294	12.0	12.0	12.0
32	181839069352	7.0	6.5	6.8
33	191939065003	14.0	13.0	13.6

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Mécanique des fluides 2 / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	0.0	7.0	2.8
2	181839053567	6.0	10.0	7.6
3	21932301784	8.0	11.5	9.4
4	181839073368	8.0	8.0	8.0
5	181839070140	4.0	5.5	4.6
6	191939071227	7.0	10.0	8.2
7	171739063614	8.0	8.5	8.2
8	181839065365	1.0	8.5	4.0
9	161639083684	0.0	0.0	0.0
10	181839068420	0.0	10.0	4.0
11	181839064507	11.2	11.2	11.2
12	181839067129	13.2	13.2	13.2
13	161539070969	2.0	1.0	1.6
14	181839069389	1.0	8.0	3.8
15	21054125750	1.0	8.5	4.0
16	171539078987	1.0	2.0	1.4
17	181839072204	6.0	12.0	8.4
18	191939065926	0.0	8.5	3.4
19	181839065338	5.0	10.0	7.0
20	181839066386	3.0	10.0	5.8
21	181839066377	0.0	7.0	2.8
22	181839067926	6.4	6.4	6.4
23	171739070680	0.0	3.0	1.2
24	181839053612	0.0	8.0	3.2
25	161639075872	7.0	5.0	6.2
26	2199926967	17.0	16.5	16.8
27	191939073157	13.0	15.5	14.0
28	191939064241	10.0	9.5	9.8
29	181839071576	6.0	9.5	7.4
30	181839063979	4.0	8.0	5.6
31	171739071905	2.0	6.0	3.6

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Mécanique des fluides 2 / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	2.0	11.5	5.8
2	191939071343	8.0	11.0	9.2
3	171739070507	7.0	9.0	7.8
4	181839065641	1.0	8.5	4.0
5	171739075704	8.0	10.0	8.8
6	161739082246	0.0	5.0	2.0
7	181839064895	0.0	10.0	4.0
8	171739076414	0.0	0.0	0.0
9	191939068407	2.0	12.0	6.0
10	191939067938	6.0	10.0	7.6
11	181839067106	8.0	5.0	6.8
12	2199925154	6.0	10.0	7.6
13	191939068765	12.0	20.0	15.2
14	181839065691	4.0	7.5	5.4
15	181839066507	1.0	8.0	3.8
16	181839067927	8.4	8.4	8.4
17	181839066524	6.0	11.5	8.2
18	171739071371	8.0	10.0	8.8
19	191939065087	15.0	13.5	14.4
20	161639069038	5.0	10.0	7.0
21	181839065670	6.0	0.0	3.6
22	181839071437	5.0	10.0	7.0
23	171739081668	2.0	10.0	5.2
24	191939073082	4.0	10.0	6.4
25	171739074204	4.0	10.0	6.4
26	181839068985	11.2	11.2	11.2
27	171739065522	0.0	3.0	1.2
28	181839071536	5.0	9.0	6.6
29	2199325295	8.0	11.5	9.4
30	191939079679	11.0	13.5	12.0
31	171739076725	10.4	10.4	10.4
32	161639070164	0.0	5.0	2.0

Signature de l'enseignant:

Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Mécanique des fluides 2 / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	4.0	10.0	6.4
2	161639069705	10.0	15.0	12.0
3	181839073303	6.0	11.0	8.0
4	20069040952	3.0	0.0	1.8
5	171739071885	0.0	3.0	1.2
6	161439066307	0.0	0.0	0.0
7	171739064660	5.0	12.5	8.0
8	181839070222	11.6	11.6	11.6
9	181839065599	5.0	5.0	5.0
10	171739069766	0.0	6.0	2.4
11	191939072461	12.0	18.0	14.4
12	171739064214	5.0	9.0	6.6
13	181839068975	9.0	10.0	9.4
14	191939068372	7.0	7.5	7.2
15	21099043698	5.0	6.0	5.4
16	191939069745	10.0	9.0	9.6
17	171739067077	10.2	10.2	10.2
18	191939065200	1.0	10.0	4.6
19	21039049682	9.0	10.0	9.4
20	191939073497	2.0	7.0	4.0
21	181839068450	9.0	15.5	11.6
22	181839068274	1.0	8.0	3.8
23	181839069871	6.0	7.5	6.6
24	171739072238	7.0	7.0	7.0
25	191939068046	10.0	16.0	12.4
26	191939067163	9.0	16.5	12.0
27	191939070937	1.0	6.0	3.0
28	2198805811	7.0	0.0	4.2
29	2100928246	1.0	12.0	5.4
30	191939068251	0.0	0.0	0.0
31	191939068047	9.0	11.0	9.8

Signature de l'enseignant:

Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Mesure et instrumentation / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	11.75	11.0	11.45
2	191939064468	5.0	11.25	7.5
3	21039049667	0.0	13.0	5.2
4	181839067862	6.5	10.0	7.9
5	191939067943	6.25	11.13	8.2
6	191939073130	7.5	13.0	9.7
7	181839068209	9.5	10.38	9.85
8	181839068227	11.0	10.25	10.7
9	191939067981	10.0	11.5	10.6
10	181839068454	3.5	10.0	6.1
11	181839063191	13.0	11.0	12.2
12	191939066791	15.0	12.0	13.8
13	21069060602	0.0	0.0	0.0
14	171739081865	11.0	0.0	6.6
15	161639077207	4.75	10.0	6.85
16	191939067966	10.5	11.13	10.75
17	181839069883	5.25	12.5	8.15
18	191939068404	8.0	10.13	8.85
19	191939069703	6.0	11.0	8.0
20	171739067225	6.0	11.5	8.2
21	181839069001	0.0	0.0	0.0
22	19109042483	1.75	10.0	5.05
23	161339047191	12.7	12.7	12.7
24	171731095738	11.5	10.0	10.9
25	21079051917	0.0	12.75	5.1
26	181839063170	10.5	10.0	10.3
27	181839073434	6.0	10.0	7.6
28	161439060304	6.26	11.96	8.54
29	191939065951	0.0	10.0	4.0
30	171739081487	10.0	0.0	6.0
31	191939066294	9.5	11.0	10.1
32	181839069352	7.25	10.0	8.35
33	191939065003	14.5	12.25	13.6

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Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Mesure et instrumentation / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	12.82	12.82	12.82
2	181839053567	9.5	12.75	10.8
3	21932301784	15.5	15.0	15.3
4	181839073368	10.5	10.0	10.3
5	181839070140	9.5	10.25	9.8
6	191939071227	8.0	14.5	10.6
7	171739063614	10.0	10.25	10.1
8	181839065365	6.5	14.0	9.5
9	161639083684	15.72	15.72	15.72
10	181839068420	1.5	0.0	0.9
11	181839064507	8.32	8.32	8.32
12	181839067129	8.0	10.0	8.8
13	161539070969	12.85	12.85	12.85
14	181839069389	5.0	2.25	3.9
15	21054125750	11.5	10.0	10.9
16	171539078987	0.0	0.0	0.0
17	181839072204	13.5	10.0	12.1
18	191939065926	6.5	13.5	9.3
19	181839065338	8.04	8.04	8.04
20	181839066386	0.0	12.75	5.1
21	181839066377	5.5	10.5	7.5
22	181839067926	8.54	8.54	8.54
23	171739070680	0.0	0.0	0.0
24	181839053612	6.75	10.0	8.05
25	161639075872	3.25	10.0	5.95
26	2199926967	14.5	15.0	14.7
27	191939073157	9.5	13.75	11.2
28	191939064241	5.25	13.75	8.65
29	181839071576	8.8	8.8	8.8
30	181839063979	5.0	12.75	8.1
31	171739071905	1.0	0.0	0.6

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Mesure et instrumentation / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	0.0	11.25	4.5
2	191939071343	1.5	14.5	6.7
3	171739070507	6.5	0.0	3.9
4	181839065641	6.0	11.0	8.0
5	171739075704	2.75	0.0	1.65
6	161739082246	2.25	10.25	5.45
7	181839064895	0.0	0.0	0.0
8	171739076414	0.0	10.0	4.0
9	191939068407	7.25	14.75	10.25
10	191939067938	8.0	10.0	8.8
11	181839067106	4.5	0.0	2.7
12	2199925154	11.5	10.0	10.9
13	191939068765	8.0	14.25	10.5
14	181839065691	7.0	11.0	8.6
15	181839066507	2.25	0.0	1.35
16	181839067927	7.76	7.76	7.76
17	181839066524	9.64	9.64	9.64
18	171739071371	10.06	10.06	10.06
19	191939065087	4.0	11.75	7.1
20	161639069038	5.5	0.0	3.3
21	181839065670	11.5	10.0	10.9
22	181839071437	12.0	10.0	11.2
23	171739081668	12.0	12.0	12.0
24	191939073082	7.5	14.5	10.3
25	171739074204	12.5	10.0	11.5
26	181839068985	11.0	10.0	10.6
27	171739065522	9.48	9.48	9.48
28	181839071536	5.5	10.0	7.3
29	2199325295	6.75	13.75	9.55
30	191939079679	6.0	11.25	8.1
31	171739076725	9.15	9.15	9.15
32	161639070164	5.25	13.25	8.45

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Mesure et instrumentation / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	10.5	10.0	10.3
2	161639069705	9.52	9.52	9.52
3	181839073303	5.0	10.0	7.0
4	20069040952	0.0	0.0	0.0
5	171739071885	8.0	0.0	4.8
6	161439066307	11.96	0.0	7.18
7	171739064660	8.0	10.0	8.8
8	181839070222	7.5	10.0	8.5
9	181839065599	10.75	10.0	10.45
10	171739069766	6.75	10.0	8.05
11	191939072461	10.0	11.0	10.4
12	171739064214	5.5	10.0	7.3
13	181839068975	8.0	11.5	9.4
14	191939068372	8.75	10.5	9.45
15	21099043698	11.0	10.0	10.6
16	191939069745	14.25	10.0	12.55
17	171739067077	5.75	10.0	7.45
18	191939065200	10.0	10.13	10.05
19	21039049682	15.0	11.5	13.6
20	191939073497	3.0	10.0	5.8
21	181839068450	12.5	10.5	11.7
22	181839068274	7.0	10.25	8.3
23	181839069871	7.5	10.0	8.5
24	171739072238	10.5	15.0	12.3
25	191939068046	8.0	12.0	9.6
26	191939067163	8.0	11.0	9.2
27	191939070937	10.0	10.0	10.0
28	2198805811	7.75	10.0	8.65
29	2100928246	3.75	15.0	8.25
30	191939068251	0.0	10.0	4.0
31	191939068047	8.0	12.0	9.6

Signature de l'enseignant:

Le:



2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Notions d'éléments de machines / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	10.5	0.0	10.5
2	191939064468	7.0	0.0	7.0
3	21039049667	0.0	0.0	0.0
4	181839067862	7.0	0.0	7.0
5	191939067943	3.0	0.0	3.0
6	191939073130	8.0	0.0	8.0
7	181839068209	10.0	0.0	10.0
8	181839068227	6.0	0.0	6.0
9	191939067981	3.0	0.0	3.0
10	181839068454	1.5	0.0	1.5
11	181839063191	12.5	0.0	12.5
12	191939066791	9.0	0.0	9.0
13	21069060602	0.0	0.0	0.0
14	171739081865	0.0	0.0	0.0
15	161639077207	10.5	0.0	10.5
16	191939067966	1.0	0.0	1.0
17	181839069883	1.5	0.0	1.5
18	191939068404	5.0	0.0	5.0
19	191939069703	1.0	0.0	1.0
20	171739067225	2.0	0.0	2.0
21	181839069001	0.0	0.0	0.0
22	19109042483	1.0	0.0	1.0
23	161339047191	10.0	0.0	10.0
24	171731095738	4.5	0.0	4.5
25	21079051917	0.0	0.0	0.0
26	181839063170	11.0	0.0	11.0
27	181839073434	1.0	0.0	1.0
28	161439060304	0.25	0.0	0.25
29	191939065951	2.0	0.0	2.0
30	171739081487	4.5	0.0	4.5
31	191939066294	8.5	0.0	8.5
32	181839069352	3.0	0.0	3.0
33	191939065003	3.5	0.0	3.5

Signature de l'enseignant:

Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Notions d'éléments de machines / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	1.0	0.0	1.0
2	181839053567	4.0	0.0	4.0
3	21932301784	16.0	0.0	16.0
4	181839073368	2.0	0.0	2.0
5	181839070140	2.0	0.0	2.0
6	191939071227	13.0	0.0	13.0
7	171739063614	1.0	0.0	1.0
8	181839065365	2.0	0.0	2.0
9	161639083684	2.0	0.0	2.0
10	181839068420	1.0	0.0	1.0
11	181839064507	2.0	0.0	2.0
12	181839067129	0.25	0.0	0.25
13	161539070969	0.5	0.0	0.5
14	181839069389	3.0	0.0	3.0
15	21054125750	8.0	0.0	8.0
16	171539078987	0.0	0.0	0.0
17	181839072204	5.0	0.0	5.0
18	191939065926	2.0	0.0	2.0
19	181839065338	1.0	0.0	1.0
20	181839066386	2.0	0.0	2.0
21	181839066377	0.0	0.0	0.0
22	181839067926	2.5	0.0	2.5
23	171739070680	0.5	0.0	0.5
24	181839053612	11.5	0.0	11.5
25	161639075872	0.25	0.0	0.25
26	2199926967	18.0	0.0	18.0
27	191939073157	12.5	0.0	12.5
28	191939064241	18.5	0.0	18.5
29	181839071576	2.0	0.0	2.0
30	181839063979	0.5	0.0	0.5
31	171739071905	2.0	0.0	2.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Notions d'éléments de machines / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	3.5	0.0	3.5
2	191939071343	2.0	0.0	2.0
3	171739070507	8.0	0.0	8.0
4	181839065641	3.5	0.0	3.5
5	171739075704	1.5	0.0	1.5
6	161739082246	2.5	0.0	2.5
7	181839064895	0.0	0.0	0.0
8	171739076414	0.0	0.0	0.0
9	191939068407	3.0	0.0	3.0
10	191939067938	3.0	0.0	3.0
11	181839067106	2.5	0.0	2.5
12	2199925154	5.0	0.0	5.0
13	191939068765	9.0	0.0	9.0
14	181839065691	10.5	0.0	10.5
15	181839066507	4.0	0.0	4.0
16	181839067927	3.5	0.0	3.5
17	181839066524	3.5	0.0	3.5
18	171739071371	1.0	0.0	1.0
19	191939065087	5.0	0.0	5.0
20	161639069038	1.5	0.0	1.5
21	181839065670	6.5	0.0	6.5
22	181839071437	4.0	0.0	4.0
23	171739081668	0.25	0.0	0.25
24	191939073082	13.0	0.0	13.0
25	171739074204	4.0	0.0	4.0
26	181839068985	3.5	0.0	3.5
27	171739065522	5.0	0.0	5.0
28	181839071536	1.0	0.0	1.0
29	2199325295	17.0	0.0	17.0
30	191939079679	2.0	0.0	2.0
31	171739076725	10.0	0.0	10.0
32	161639070164	1.5	0.0	1.5

Signature de l'enseignant:

Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Notions d'éléments de machines / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	3.0	0.0	3.0
2	161639069705	5.5	0.0	5.5
3	181839073303	10.0	0.0	10.0
4	20069040952	5.0	0.0	5.0
5	171739071885	1.5	0.0	1.5
6	161439066307	11.0	0.0	11.0
7	171739064660	20.0	0.0	20.0
8	181839070222	6.0	0.0	6.0
9	181839065599	3.0	0.0	3.0
10	171739069766	0.0	0.0	0.0
11	191939072461	10.0	0.0	10.0
12	171739064214	2.0	0.0	2.0
13	181839068975	3.0	0.0	3.0
14	191939068372	6.5	0.0	6.5
15	21099043698	12.0	0.0	12.0
16	191939069745	7.0	0.0	7.0
17	171739067077	10.0	0.0	10.0
18	191939065200	6.0	0.0	6.0
19	21039049682	17.0	0.0	17.0
20	191939073497	1.5	0.0	1.5
21	181839068450	10.5	0.0	10.5
22	181839068274	8.0	0.0	8.0
23	181839069871	1.0	0.0	1.0
24	171739072238	0.5	0.0	0.5
25	191939068046	10.0	0.0	10.0
26	191939067163	6.0	0.0	6.0
27	191939070937	8.0	0.0	8.0
28	2198805811	5.0	0.0	5.0
29	2100928246	3.0	0.0	3.0
30	191939068251	0.0	0.0	0.0
31	191939068047	3.0	0.0	3.0

Signature de l'enseignant:

Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Régulation et asservissement / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	8.0	0.0	8.0
2	191939064468	9.0	0.0	9.0
3	21039049667	0.0	0.0	0.0
4	181839067862	13.0	0.0	13.0
5	191939067943	9.0	0.0	9.0
6	191939073130	14.0	0.0	14.0
7	181839068209	16.0	0.0	16.0
8	181839068227	13.0	0.0	13.0
9	191939067981	15.0	0.0	15.0
10	181839068454	9.0	0.0	9.0
11	181839063191	13.0	0.0	13.0
12	191939066791	11.0	0.0	11.0
13	21069060602	0.0	0.0	0.0
14	171739081865	12.0	0.0	12.0
15	161639077207	11.0	0.0	11.0
16	191939067966	13.0	0.0	13.0
17	181839069883	13.0	0.0	13.0
18	191939068404	9.0	0.0	9.0
19	191939069703	13.0	0.0	13.0
20	171739067225	15.0	0.0	15.0
21	181839069001	10.0	0.0	10.0
22	19109042483	16.0	0.0	16.0
23	161339047191	11.5	0.0	11.5
24	171731095738	11.0	0.0	11.0
25	21079051917	0.0	0.0	0.0
26	181839063170	10.0	0.0	10.0
27	181839073434	10.0	0.0	10.0
28	161439060304	10.0	0.0	10.0
29	191939065951	15.0	0.0	15.0
30	171739081487	10.0	0.0	10.0
31	191939066294	7.0	0.0	7.0
32	181839069352	15.0	0.0	15.0
33	191939065003	17.0	0.0	17.0

Signature de l'enseignant:

Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Régulation et asservissement / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	12.0	0.0	12.0
2	181839053567	12.0	0.0	12.0
3	21932301784	12.0	0.0	12.0
4	181839073368	8.0	0.0	8.0
5	181839070140	13.0	0.0	13.0
6	191939071227	15.0	0.0	15.0
7	171739063614	11.0	0.0	11.0
8	181839065365	12.0	0.0	12.0
9	161639083684	7.0	0.0	7.0
10	181839068420	10.0	0.0	10.0
11	181839064507	10.0	0.0	10.0
12	181839067129	0.0	0.0	0.0
13	161539070969	14.0	0.0	14.0
14	181839069389	14.0	0.0	14.0
15	21054125750	17.0	0.0	17.0
16	171539078987	14.0	0.0	14.0
17	181839072204	11.0	0.0	11.0
18	191939065926	9.0	0.0	9.0
19	181839065338	12.0	0.0	12.0
20	181839066386	12.0	0.0	12.0
21	181839066377	0.0	0.0	0.0
22	181839067926	14.0	0.0	14.0
23	171739070680	10.0	0.0	10.0
24	181839053612	12.0	0.0	12.0
25	161639075872	8.0	0.0	8.0
26	2199926967	14.0	0.0	14.0
27	191939073157	9.0	0.0	9.0
28	191939064241	15.0	0.0	15.0
29	181839071576	16.0	0.0	16.0
30	181839063979	13.0	0.0	13.0
31	171739071905	10.0	0.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Régulation et asservissement / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	15.0	0.0	15.0
2	191939071343	13.0	0.0	13.0
3	171739070507	16.0	0.0	16.0
4	181839065641	9.0	0.0	9.0
5	171739075704	12.0	0.0	12.0
6	161739082246	12.0	0.0	12.0
7	181839064895	12.0	0.0	12.0
8	171739076414	10.0	0.0	10.0
9	191939068407	15.0	0.0	15.0
10	191939067938	7.0	0.0	7.0
11	181839067106	10.0	0.0	10.0
12	2199925154	14.0	0.0	14.0
13	191939068765	14.0	0.0	14.0
14	181839065691	11.0	0.0	11.0
15	181839066507	14.0	0.0	14.0
16	181839067927	8.0	0.0	8.0
17	181839066524	10.0	0.0	10.0
18	171739071371	10.0	0.0	10.0
19	191939065087	18.0	0.0	18.0
20	161639069038	12.0	0.0	12.0
21	181839065670	9.0	0.0	9.0
22	181839071437	13.0	0.0	13.0
23	171739081668	10.0	0.0	10.0
24	191939073082	17.0	0.0	17.0
25	171739074204	10.0	0.0	10.0
26	181839068985	12.0	0.0	12.0
27	171739065522	10.0	0.0	10.0
28	181839071536	13.0	0.0	13.0
29	2199325295	7.0	0.0	7.0
30	191939079679	6.0	0.0	6.0
31	171739076725	17.0	0.0	17.0
32	161639070164	10.0	0.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Régulation et asservissement / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	12.0	0.0	12.0
2	161639069705	16.0	0.0	16.0
3	181839073303	12.0	0.0	12.0
4	20069040952	9.0	0.0	9.0
5	171739071885	10.0	0.0	10.0
6	161439066307	10.0	0.0	10.0
7	171739064660	10.0	0.0	10.0
8	181839070222	14.0	0.0	14.0
9	181839065599	11.0	0.0	11.0
10	171739069766	0.0	0.0	0.0
11	191939072461	13.0	0.0	13.0
12	171739064214	15.0	0.0	15.0
13	181839068975	12.0	0.0	12.0
14	191939068372	9.0	0.0	9.0
15	21099043698	9.0	0.0	9.0
16	191939069745	7.0	0.0	7.0
17	171739067077	10.0	0.0	10.0
18	191939065200	11.0	0.0	11.0
19	21039049682	11.0	0.0	11.0
20	191939073497	9.0	0.0	9.0
21	181839068450	14.0	0.0	14.0
22	181839068274	15.0	0.0	15.0
23	181839069871	12.0	0.0	12.0
24	171739072238	15.0	0.0	15.0
25	191939068046	15.0	0.0	15.0
26	191939067163	11.0	0.0	11.0
27	191939070937	11.0	0.0	11.0
28	2198805811	10.0	0.0	10.0
29	2100928246	7.0	0.0	7.0
30	191939068251	0.0	0.0	0.0
31	191939068047	15.0	0.0	15.0

Signature de l'enseignant:

Le:



2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP conversion de l'énergie / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	0.0	12.0	12.0
2	191939064468	0.0	12.0	12.0
3	21039049667	0.0	6.0	6.0
4	181839067862	0.0	7.5	7.5
5	191939067943	0.0	11.5	11.5
6	191939073130	0.0	12.5	12.5
7	181839068209	0.0	15.0	15.0
8	181839068227	0.0	12.0	12.0
9	191939067981	0.0	12.5	12.5
10	181839068454	0.0	11.5	11.5
11	181839063191	0.0	15.0	15.0
12	191939066791	0.0	11.5	11.5
13	21069060602	0.0	0.0	0.0
14	171739081865	0.0	0.0	0.0
15	161639077207	0.0	10.0	10.0
16	191939067966	0.0	11.0	11.0
17	181839069883	0.0	12.0	12.0
18	191939068404	0.0	12.0	12.0
19	191939069703	0.0	12.0	12.0
20	171739067225	0.0	10.0	10.0
21	181839069001	0.0	10.0	10.0
22	19109042483	0.0	5.0	5.0
23	161339047191	0.0	17.5	17.5
24	171731095738	0.0	10.5	10.5
25	21079051917	0.0	10.5	10.5
26	181839063170	0.0	10.0	10.0
27	181839073434	0.0	6.0	6.0
28	161439060304	0.0	15.0	15.0
29	191939065951	0.0	5.5	5.5
30	171739081487	0.0	0.0	0.0
31	191939066294	0.0	11.5	11.5
32	181839069352	0.0	6.0	6.0
33	191939065003	0.0	13.0	13.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP conversion de l'énergie / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	0.0	14.15	14.15
2	181839053567	0.0	12.0	12.0
3	21932301784	0.0	14.0	14.0
4	181839073368	0.0	12.0	12.0
5	181839070140	0.0	12.0	12.0
6	191939071227	0.0	12.0	12.0
7	171739063614	0.0	13.0	13.0
8	181839065365	0.0	11.5	11.5
9	161639083684	0.0	13.15	13.15
10	181839068420	0.0	10.0	10.0
11	181839064507	0.0	12.0	12.0
12	181839067129	0.0	11.0	11.0
13	161539070969	0.0	10.37	10.37
14	181839069389	0.0	11.5	11.5
15	21054125750	0.0	11.0	11.0
16	171539078987	0.0	10.0	10.0
17	181839072204	0.0	12.0	12.0
18	191939065926	0.0	11.5	11.5
19	181839065338	0.0	12.0	12.0
20	181839066386	0.0	10.0	10.0
21	181839066377	0.0	5.5	5.5
22	181839067926	0.0	11.0	11.0
23	171739070680	0.0	11.0	11.0
24	181839053612	0.0	12.0	12.0
25	161639075872	0.0	11.5	11.5
26	2199926967	0.0	14.0	14.0
27	191939073157	0.0	13.0	13.0
28	191939064241	0.0	12.0	12.0
29	181839071576	0.0	12.0	12.0
30	181839063979	0.0	11.0	11.0
31	171739071905	0.0	10.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP conversion de l'énergie / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	0.0	14.1	14.1
2	191939071343	0.0	12.7	12.7
3	171739070507	0.0	0.0	0.0
4	181839065641	0.0	12.3	12.3
5	171739075704	0.0	11.0	11.0
6	161739082246	0.0	13.7	13.7
7	181839064895	0.0	12.4	12.4
8	171739076414	0.0	0.0	0.0
9	191939068407	0.0	15.05	15.05
10	191939067938	0.0	13.4	13.4
11	181839067106	0.0	10.0	10.0
12	2199925154	0.0	12.25	12.25
13	191939068765	0.0	15.95	15.95
14	181839065691	0.0	14.4	14.4
15	181839066507	0.0	14.1	14.1
16	181839067927	0.0	10.0	10.0
17	181839066524	0.0	10.0	10.0
18	171739071371	0.0	10.0	10.0
19	191939065087	0.0	14.05	14.05
20	161639069038	0.0	10.0	10.0
21	181839065670	0.0	13.0	13.0
22	181839071437	0.0	12.45	12.45
23	171739081668	0.0	13.3	13.3
24	191939073082	0.0	15.05	15.05
25	171739074204	0.0	10.0	10.0
26	181839068985	0.0	12.4	12.4
27	171739065522	0.0	13.3	13.3
28	181839071536	0.0	14.45	14.45
29	2199325295	0.0	10.85	10.85
30	191939079679	0.0	12.7	12.7
31	171739076725	0.0	10.0	10.0
32	161639070164	0.0	5.5	5.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP conversion de l'énergie / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	0.0	10.0	10.0
2	161639069705	0.0	13.0	13.0
3	181839073303	0.0	12.0	12.0
4	20069040952	0.0	12.0	12.0
5	171739071885	0.0	10.0	10.0
6	161439066307	0.0	0.0	0.0
7	171739064660	0.0	10.0	10.0
8	181839070222	0.0	11.5	11.5
9	181839065599	0.0	11.5	11.5
10	171739069766	0.0	0.0	0.0
11	191939072461	0.0	12.0	12.0
12	171739064214	0.0	12.0	12.0
13	181839068975	0.0	12.0	12.0
14	191939068372	0.0	12.5	12.5
15	21099043698	0.0	0.0	0.0
16	191939069745	0.0	12.0	12.0
17	171739067077	0.0	12.0	12.0
18	191939065200	0.0	13.0	13.0
19	21039049682	0.0	13.5	13.5
20	191939073497	0.0	5.5	5.5
21	181839068450	0.0	13.0	13.0
22	181839068274	0.0	11.5	11.5
23	181839069871	0.0	12.5	12.5
24	171739072238	0.0	11.5	11.5
25	191939068046	0.0	12.5	12.5
26	191939067163	0.0	12.0	12.0
27	191939070937	0.0	12.0	12.0
28	2198805811	0.0	12.0	12.0
29	2100928246	0.0	12.0	12.0
30	191939068251	0.0	0.0	0.0
31	191939068047	0.0	12.5	12.5

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP Transfert de chaleur / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	0.0	13.0	13.0
2	191939064468	0.0	15.0	15.0
3	21039049667	0.0	0.0	0.0
4	181839067862	0.0	13.0	13.0
5	191939067943	0.0	15.0	15.0
6	191939073130	0.0	12.0	12.0
7	181839068209	0.0	16.0	16.0
8	181839068227	0.0	12.0	12.0
9	191939067981	0.0	15.0	15.0
10	181839068454	0.0	13.0	13.0
11	181839063191	0.0	16.0	16.0
12	191939066791	0.0	14.0	14.0
13	21069060602	0.0	0.0	0.0
14	171739081865	0.0	0.0	0.0
15	161639077207	0.0	12.0	12.0
16	191939067966	0.0	14.0	14.0
17	181839069883	0.0	14.0	14.0
18	191939068404	0.0	13.0	13.0
19	191939069703	0.0	13.0	13.0
20	171739067225	0.0	13.0	13.0
21	181839069001	0.0	12.0	12.0
22	19109042483	0.0	13.0	13.0
23	161339047191	0.0	9.1	9.1
24	171731095738	0.0	13.0	13.0
25	21079051917	0.0	12.0	12.0
26	181839063170	0.0	16.0	16.0
27	181839073434	0.0	13.0	13.0
28	161439060304	0.0	14.15	14.15
29	191939065951	0.0	0.0	0.0
30	171739081487	0.0	12.5	12.5
31	191939066294	0.0	15.0	15.0
32	181839069352	0.0	13.0	13.0
33	191939065003	0.0	13.0	13.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP Transfert de chaleur / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	0.0	14.0	14.0
2	181839053567	0.0	12.5	12.5
3	21932301784	0.0	15.0	15.0
4	181839073368	0.0	13.0	13.0
5	181839070140	0.0	13.0	13.0
6	191939071227	0.0	13.0	13.0
7	171739063614	0.0	14.0	14.0
8	181839065365	0.0	13.0	13.0
9	161639083684	0.0	14.65	14.65
10	181839068420	0.0	11.0	11.0
11	181839064507	0.0	12.0	12.0
12	181839067129	0.0	12.0	12.0
13	161539070969	0.0	12.5	12.5
14	181839069389	0.0	14.0	14.0
15	21054125750	0.0	15.0	15.0
16	171539078987	0.0	0.0	0.0
17	181839072204	0.0	13.0	13.0
18	191939065926	0.0	13.0	13.0
19	181839065338	0.0	12.0	12.0
20	181839066386	0.0	13.0	13.0
21	181839066377	0.0	14.0	14.0
22	181839067926	0.0	13.0	13.0
23	171739070680	0.0	11.0	11.0
24	181839053612	0.0	18.0	18.0
25	161639075872	0.0	14.0	14.0
26	2199926967	0.0	15.0	15.0
27	191939073157	0.0	13.0	13.0
28	191939064241	0.0	13.0	13.0
29	181839071576	0.0	11.0	11.0
30	181839063979	0.0	13.0	13.0
31	171739071905	0.0	12.0	12.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP Transfert de chaleur / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	0.0	13.0	13.0
2	191939071343	0.0	13.0	13.0
3	171739070507	0.0	12.0	12.0
4	181839065641	0.0	15.0	15.0
5	171739075704	0.0	12.0	12.0
6	161739082246	0.0	13.0	13.0
7	181839064895	0.0	0.0	0.0
8	171739076414	0.0	12.0	12.0
9	191939068407	0.0	13.0	13.0
10	191939067938	0.0	15.0	15.0
11	181839067106	0.0	11.5	11.5
12	2199925154	0.0	12.0	12.0
13	191939068765	0.0	16.0	16.0
14	181839065691	0.0	13.0	13.0
15	181839066507	0.0	14.0	14.0
16	181839067927	0.0	11.5	11.5
17	181839066524	0.0	12.0	12.0
18	171739071371	0.0	11.5	11.5
19	191939065087	0.0	13.0	13.0
20	161639069038	0.0	13.0	13.0
21	181839065670	0.0	15.0	15.0
22	181839071437	0.0	13.0	13.0
23	171739081668	0.0	14.65	14.65
24	191939073082	0.0	12.0	12.0
25	171739074204	0.0	12.0	12.0
26	181839068985	0.0	11.5	11.5
27	171739065522	0.0	14.0	14.0
28	181839071536	0.0	13.0	13.0
29	2199325295	0.0	12.0	12.0
30	191939079679	0.0	13.0	13.0
31	171739076725	0.0	11.5	11.5
32	161639070164	0.0	12.0	12.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP Transfert de chaleur / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	0.0	12.0	12.0
2	161639069705	0.0	12.0	12.0
3	181839073303	0.0	13.0	13.0
4	20069040952	0.0	11.5	11.5
5	171739071885	0.0	11.5	11.5
6	161439066307	0.0	12.5	12.5
7	171739064660	0.0	12.0	12.0
8	181839070222	0.0	11.5	11.5
9	181839065599	0.0	13.0	13.0
10	171739069766	0.0	0.0	0.0
11	191939072461	0.0	13.0	13.0
12	171739064214	0.0	13.0	13.0
13	181839068975	0.0	11.5	11.5
14	191939068372	0.0	13.0	13.0
15	21099043698	0.0	12.5	12.5
16	191939069745	0.0	12.5	12.5
17	171739067077	0.0	12.5	12.5
18	191939065200	0.0	13.0	13.0
19	21039049682	0.0	12.0	12.0
20	191939073497	0.0	13.0	13.0
21	181839068450	0.0	12.0	12.0
22	181839068274	0.0	12.0	12.0
23	181839069871	0.0	14.0	14.0
24	171739072238	0.0	13.0	13.0
25	191939068046	0.0	14.0	14.0
26	191939067163	0.0	14.0	14.0
27	191939070937	0.0	12.5	12.5
28	2198805811	0.0	12.0	12.0
29	2100928246	0.0	15.0	15.0
30	191939068251	0.0	0.0	0.0
31	191939068047	0.0	14.0	14.0

Signature de l'enseignant:

Le:



2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP Turbomachines1 / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	0.0	14.4	14.4
2	191939064468	0.0	13.0	13.0
3	21039049667	0.0	0.0	0.0
4	181839067862	0.0	9.45	9.45
5	191939067943	0.0	13.4	13.4
6	191939073130	0.0	13.3	13.3
7	181839068209	0.0	16.6	16.6
8	181839068227	0.0	16.6	16.6
9	191939067981	0.0	13.4	13.4
10	181839068454	0.0	9.45	9.45
11	181839063191	0.0	16.6	16.6
12	191939066791	0.0	14.1	14.1
13	21069060602	0.0	0.0	0.0
14	171739081865	0.0	0.0	0.0
15	161639077207	0.0	11.0	11.0
16	191939067966	0.0	14.1	14.1
17	181839069883	0.0	8.05	8.05
18	191939068404	0.0	10.55	10.55
19	191939069703	0.0	11.3	11.3
20	171739067225	0.0	11.7	11.7
21	181839069001	0.0	12.0	12.0
22	19109042483	0.0	0.0	0.0
23	161339047191	0.0	11.0	11.0
24	171731095738	0.0	0.0	0.0
25	21079051917	0.0	9.1	9.1
26	181839063170	0.0	12.5	12.5
27	181839073434	0.0	12.0	12.0
28	161439060304	0.0	10.25	10.25
29	191939065951	0.0	0.0	0.0
30	171739081487	0.0	12.0	12.0
31	191939066294	0.0	13.0	13.0
32	181839069352	0.0	10.0	10.0
33	191939065003	0.0	14.05	14.05

Signature de l'enseignant:

Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP Turbomachines1 / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	0.0	13.88	13.88
2	181839053567	0.0	12.0	12.0
3	21932301784	0.0	14.4	14.4
4	181839073368	0.0	12.4	12.4
5	181839070140	0.0	13.1	13.1
6	191939071227	0.0	13.1	13.1
7	171739063614	0.0	4.55	4.55
8	181839065365	0.0	11.7	11.7
9	161639083684	0.0	13.75	13.75
10	181839068420	0.0	12.5	12.5
11	181839064507	0.0	10.5	10.5
12	181839067129	0.0	10.5	10.5
13	161539070969	0.0	14.0	14.0
14	181839069389	0.0	10.5	10.5
15	21054125750	0.0	12.25	12.25
16	171539078987	0.0	10.5	10.5
17	181839072204	0.0	14.45	14.45
18	191939065926	0.0	13.1	13.1
19	181839065338	0.0	11.0	11.0
20	181839066386	0.0	13.1	13.1
21	181839066377	0.0	8.15	8.15
22	181839067926	0.0	12.0	12.0
23	171739070680	0.0	10.5	10.5
24	181839053612	0.0	2.4	2.4
25	161639075872	0.0	4.55	4.55
26	2199926967	0.0	14.4	14.4
27	191939073157	0.0	13.1	13.1
28	191939064241	0.0	13.1	13.1
29	181839071576	0.0	11.0	11.0
30	181839063979	0.0	12.7	12.7
31	171739071905	0.0	10.5	10.5

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Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP Turbomachines1 / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	0.0	14.1	14.1
2	191939071343	0.0	12.7	12.7
3	171739070507	0.0	12.0	12.0
4	181839065641	0.0	12.3	12.3
5	171739075704	0.0	12.0	12.0
6	161739082246	0.0	13.7	13.7
7	181839064895	0.0	12.4	12.4
8	171739076414	0.0	10.5	10.5
9	191939068407	0.0	15.05	15.05
10	191939067938	0.0	13.4	13.4
11	181839067106	0.0	10.5	10.5
12	2199925154	0.0	12.25	12.25
13	191939068765	0.0	15.95	15.95
14	181839065691	0.0	14.4	14.4
15	181839066507	0.0	14.1	14.1
16	181839067927	0.0	12.0	12.0
17	181839066524	0.0	12.0	12.0
18	171739071371	0.0	10.0	10.0
19	191939065087	0.0	14.05	14.05
20	161639069038	0.0	12.0	12.0
21	181839065670	0.0	13.0	13.0
22	181839071437	0.0	12.45	12.45
23	171739081668	0.0	14.0	14.0
24	191939073082	0.0	15.05	15.05
25	171739074204	0.0	10.5	10.5
26	181839068985	0.0	12.4	12.4
27	171739065522	0.0	13.75	13.75
28	181839071536	0.0	14.45	14.45
29	2199325295	0.0	10.85	10.85
30	191939079679	0.0	12.7	12.7
31	171739076725	0.0	10.5	10.5
32	161639070164	0.0	10.0	10.0

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Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: TP Turbomachines1 / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	0.0	11.0	11.0
2	161639069705	0.0	11.0	11.0
3	181839073303	0.0	12.0	12.0
4	20069040952	0.0	14.5	14.5
5	171739071885	0.0	10.0	10.0
6	161439066307	0.0	11.75	11.75
7	171739064660	0.0	10.5	10.5
8	181839070222	0.0	10.0	10.0
9	181839065599	0.0	10.0	10.0
10	171739069766	0.0	0.0	0.0
11	191939072461	0.0	14.45	14.45
12	171739064214	0.0	13.35	13.35
13	181839068975	0.0	11.0	11.0
14	191939068372	0.0	13.1	13.1
15	21099043698	0.0	0.0	0.0
16	191939069745	0.0	12.0	12.0
17	171739067077	0.0	11.0	11.0
18	191939065200	0.0	10.55	10.55
19	21039049682	0.0	12.25	12.25
20	191939073497	0.0	0.0	0.0
21	181839068450	0.0	15.95	15.95
22	181839068274	0.0	15.95	15.95
23	181839069871	0.0	10.5	10.5
24	171739072238	0.0	12.7	12.7
25	191939068046	0.0	14.1	14.1
26	191939067163	0.0	14.1	14.1
27	191939070937	0.0	13.4	13.4
28	2198805811	0.0	12.25	12.25
29	2100928246	0.0	14.4	14.4
30	191939068251	0.0	0.0	0.0
31	191939068047	0.0	14.1	14.1

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Transfert de chaleur 1 / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	7.0	9.0	7.8
2	191939064468	11.0	6.75	9.3
3	21039049667	0.0	0.0	0.0
4	181839067862	2.0	0.0	1.2
5	191939067943	7.5	7.75	7.6
6	191939073130	10.5	9.5	10.1
7	181839068209	12.5	12.5	12.5
8	181839068227	5.5	6.25	5.8
9	191939067981	7.5	7.75	7.6
10	181839068454	2.5	8.0	4.7
11	181839063191	15.5	15.5	15.5
12	191939066791	7.0	10.25	8.3
13	21069060602	0.0	0.0	0.0
14	171739081865	0.0	0.0	0.0
15	161639077207	0.0	0.0	0.0
16	191939067966	7.0	7.75	7.3
17	181839069883	8.5	10.5	9.3
18	191939068404	5.0	7.5	6.0
19	191939069703	5.5	7.0	6.1
20	171739067225	11.6	11.6	11.6
21	181839069001	12.0	12.0	12.0
22	19109042483	10.0	0.0	6.0
23	161339047191	0.0	0.0	0.0
24	171731095738	9.5	7.0	8.5
25	21079051917	0.0	9.0	3.6
26	181839063170	7.5	7.5	7.5
27	181839073434	3.5	6.75	4.8
28	161439060304	6.0	0.0	3.6
29	191939065951	2.0	0.0	1.2
30	171739081487	11.4	11.4	11.4
31	191939066294	6.5	7.25	6.8
32	181839069352	3.0	7.5	4.8
33	191939065003	10.0	8.0	9.2

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Transfert de chaleur 1 / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	5.0	0.0	3.0
2	181839053567	8.0	7.25	7.7
3	21932301784	13.0	11.5	12.4
4	181839073368	3.0	7.0	4.6
5	181839070140	3.5	7.5	5.1
6	191939071227	10.0	13.75	11.5
7	171739063614	8.0	7.75	7.9
8	181839065365	2.5	7.5	4.5
9	161639083684	0.0	0.0	0.0
10	181839068420	2.0	7.0	4.0
11	181839064507	10.8	10.8	10.8
12	181839067129	6.4	6.4	6.4
13	161539070969	4.5	10.0	6.7
14	181839069389	10.0	10.0	10.0
15	21054125750	9.0	8.25	8.7
16	171539078987	0.0	0.0	0.0
17	181839072204	6.0	7.5	6.6
18	191939065926	5.5	9.0	6.9
19	181839065338	11.8	11.8	11.8
20	181839066386	4.0	9.0	6.0
21	181839066377	10.5	8.25	9.6
22	181839067926	11.4	11.4	11.4
23	171739070680	4.0	0.0	2.4
24	181839053612	7.0	7.5	7.2
25	161639075872	6.0	7.25	6.5
26	2199926967	14.0	10.0	12.4
27	191939073157	11.0	7.75	9.7
28	191939064241	11.0	15.25	12.7
29	181839071576	9.0	7.0	8.2
30	181839063979	2.0	7.5	4.2
31	171739071905	5.5	9.5	7.1

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Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Transfert de chaleur 1 / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	6.0	7.25	6.5
2	191939071343	10.5	6.5	8.9
3	171739070507	2.0	8.0	4.4
4	181839065641	4.5	7.75	5.8
5	171739075704	12.4	12.4	12.4
6	161739082246	0.0	7.25	2.9
7	181839064895	0.0	7.75	3.1
8	171739076414	10.0	10.0	10.0
9	191939068407	5.0	8.75	6.5
10	191939067938	4.5	6.75	5.4
11	181839067106	2.0	7.25	4.1
12	2199925154	12.0	7.75	10.3
13	191939068765	11.0	7.5	9.6
14	181839065691	4.0	8.0	5.6
15	181839066507	4.5	6.75	5.4
16	181839067927	10.2	10.2	10.2
17	181839066524	4.0	9.0	6.0
18	171739071371	6.0	10.0	7.6
19	191939065087	9.5	11.0	10.1
20	161639069038	3.5	7.25	5.0
21	181839065670	6.0	7.25	6.5
22	181839071437	2.5	7.25	4.4
23	171739081668	3.5	0.0	2.1
24	191939073082	4.0	7.5	5.4
25	171739074204	3.0	7.0	4.6
26	181839068985	3.0	6.25	4.3
27	171739065522	3.5	0.0	2.1
28	181839071536	5.0	7.0	5.8
29	2199325295	8.0	8.5	8.2
30	191939079679	3.5	6.5	4.7
31	171739076725	8.0	9.75	8.7
32	161639070164	3.0	7.25	4.7

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Transfert de chaleur 1 / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	2.0	8.0	4.4
2	161639069705	10.2	10.2	10.2
3	181839073303	7.5	8.75	8.0
4	20069040952	13.0	13.0	13.0
5	171739071885	3.0	8.5	5.2
6	161439066307	0.0	0.0	0.0
7	171739064660	0.0	6.5	2.6
8	181839070222	11.0	11.0	11.0
9	181839065599	2.5	8.5	4.9
10	171739069766	3.5	6.5	4.7
11	191939072461	14.5	9.25	12.4
12	171739064214	0.0	10.0	4.0
13	181839068975	6.5	7.25	6.8
14	191939068372	4.5	7.0	5.5
15	21099043698	5.0	6.5	5.6
16	191939069745	13.5	8.5	11.5
17	171739067077	5.0	9.0	6.6
18	191939065200	3.5	7.5	5.1
19	21039049682	9.0	10.25	9.5
20	191939073497	5.0	7.0	5.8
21	181839068450	8.0	10.5	9.0
22	181839068274	5.5	7.0	6.1
23	181839069871	10.0	10.0	10.0
24	171739072238	3.5	8.0	5.3
25	191939068046	16.5	7.5	12.9
26	191939067163	10.0	10.25	10.1
27	191939070937	4.5	8.0	5.9
28	2198805811	12.0	9.25	10.9
29	2100928246	3.0	8.5	5.2
30	191939068251	0.0	0.0	0.0
31	191939068047	6.5	7.5	6.9

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Le:



2021/2022

Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Turbomachines1 / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065693	10.0	13.0	11.2
2	191939064468	10.0	11.0	10.4
3	21039049667	0.0	10.0	4.0
4	181839067862	6.0	10.0	7.6
5	191939067943	8.0	11.5	9.4
6	191939073130	13.0	11.0	12.2
7	181839068209	15.0	18.0	16.2
8	181839068227	16.0	14.5	15.4
9	191939067981	14.0	16.0	14.8
10	181839068454	2.0	10.5	5.4
11	181839063191	15.0	19.0	16.6
12	191939066791	12.0	12.5	12.2
13	21069060602	0.0	0.0	0.0
14	171739081865	3.0	7.0	4.6
15	161639077207	6.0	11.0	8.0
16	191939067966	7.0	10.0	8.2
17	181839069883	7.0	14.5	10.0
18	191939068404	7.0	12.0	9.0
19	191939069703	5.0	10.0	7.0
20	171739067225	5.8	5.8	5.8
21	181839069001	11.6	11.6	11.6
22	19109042483	2.0	0.0	1.2
23	161339047191	0.0	0.0	0.0
24	171731095738	5.0	0.0	3.0
25	21079051917	0.0	10.0	4.0
26	181839063170	8.0	12.0	9.6
27	181839073434	9.7	9.7	9.7
28	161439060304	3.0	0.0	1.8
29	191939065951	1.0	0.0	0.6
30	171739081487	2.0	10.0	5.2
31	191939066294	12.0	12.5	12.2
32	181839069352	10.0	5.0	8.0
33	191939065003	4.0	12.5	7.4

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Le:

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Turbomachines1 / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075241	0.0	0.0	0.0
2	181839053567	11.8	11.8	11.8
3	21932301784	15.0	12.5	14.0
4	181839073368	4.0	13.0	7.6
5	181839070140	6.0	12.0	8.4
6	191939071227	13.0	13.0	13.0
7	171739063614	5.0	13.0	8.2
8	181839065365	0.0	11.5	4.6
9	161639083684	2.0	0.0	1.2
10	181839068420	3.0	10.5	6.0
11	181839064507	8.8	8.8	8.8
12	181839067129	13.4	13.4	13.4
13	161539070969	2.0	0.0	1.2
14	181839069389	15.0	15.0	15.0
15	21054125750	6.0	10.5	7.8
16	171539078987	0.0	0.0	0.0
17	181839072204	8.0	10.0	8.8
18	191939065926	4.0	12.0	7.2
19	181839065338	4.0	10.0	6.4
20	181839066386	4.0	11.0	6.8
21	181839066377	0.0	7.0	2.8
22	181839067926	10.8	10.8	10.8
23	171739070680	2.0	0.0	1.2
24	181839053612	5.0	10.0	7.0
25	161639075872	7.0	11.0	8.6
26	2199926967	14.0	12.5	13.4
27	191939073157	12.0	12.0	12.0
28	191939064241	15.0	16.0	15.4
29	181839071576	13.9	13.9	13.9
30	181839063979	2.0	10.0	5.2
31	171739071905	6.0	10.0	7.6

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Turbomachines1 / Section A / 3

#	Matricule	Examen	CC	MG
1	191939067964	4.0	10.0	6.4
2	191939071343	11.0	10.0	10.6
3	171739070507	11.2	11.2	11.2
4	181839065641	5.0	10.0	7.0
5	171739075704	3.0	10.0	5.8
6	161739082246	4.0	10.0	6.4
7	181839064895	0.0	0.0	0.0
8	171739076414	0.0	0.0	0.0
9	191939068407	5.0	10.0	7.0
10	191939067938	5.0	10.0	7.0
11	181839067106	7.7	7.7	7.7
12	2199925154	8.0	12.0	9.6
13	191939068765	14.0	17.5	15.4
14	181839065691	6.0	12.5	8.6
15	181839066507	3.0	10.0	5.8
16	181839067927	11.8	11.8	11.8
17	181839066524	6.0	11.0	8.0
18	171739071371	9.0	11.5	10.0
19	191939065087	11.0	15.0	12.6
20	161639069038	8.0	10.0	8.8
21	181839065670	6.0	10.0	7.6
22	181839071437	8.0	10.0	8.8
23	171739081668	2.0	10.0	5.2
24	191939073082	13.0	11.0	12.2
25	171739074204	11.8	11.8	11.8
26	181839068985	5.0	10.0	7.0
27	171739065522	10.95	10.95	10.95
28	181839071536	2.0	10.0	5.2
29	2199325295	7.0	10.5	8.4
30	191939079679	9.0	7.0	8.2
31	171739076725	10.0	13.0	11.2
32	161639070164	0.0	11.0	4.4

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Filière: Génie Mécanique  
Energétique

Niveau:

Matière: Turbomachines1 / Section A / 4

#	Matricule	Examen	CC	MG
1	171739067099	10.9	10.9	10.9
2	161639069705	10.2	10.2	10.2
3	181839073303	8.0	11.0	9.2
4	20069040952	10.8	10.8	10.8
5	171739071885	3.0	10.0	5.8
6	161439066307	11.8	11.8	11.8
7	171739064660	20.0	20.0	20.0
8	181839070222	10.7	10.7	10.7
9	181839065599	7.0	12.0	9.0
10	171739069766	3.0	0.0	1.8
11	191939072461	14.0	11.5	13.0
12	171739064214	5.0	11.0	7.4
13	181839068975	11.2	11.2	11.2
14	191939068372	7.0	13.0	9.4
15	21099043698	9.0	0.0	5.4
16	191939069745	10.0	10.0	10.0
17	171739067077	11.0	11.0	11.0
18	191939065200	7.0	11.0	8.6
19	21039049682	12.0	14.5	13.0
20	191939073497	3.0	8.0	5.0
21	181839068450	11.0	12.5	11.6
22	181839068274	10.0	11.0	10.4
23	181839069871	4.0	10.0	6.4
24	171739072238	7.0	11.0	8.6
25	191939068046	14.0	12.5	13.4
26	191939067163	11.0	12.5	11.6
27	191939070937	4.0	10.0	6.4
28	2198805811	8.0	12.5	9.8
29	2100928246	3.0	10.0	5.8
30	191939068251	0.0	0.0	0.0
31	191939068047	8.0	11.0	9.2

Signature de l'enseignant:

Le: