



2021/2022

Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Anglais technique et Terminologie / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	4.0	0.0	4.0
2	181839072272	15.0	0.0	15.0
3	171739080751	7.0	0.0	7.0
4	181439060670	15.0	0.0	15.0
5	211339046961	11.0	0.0	11.0
6	181839071404	14.5	0.0	14.5
7	171739076023	0.0	0.0	0.0
8	181839068329	13.0	0.0	13.0
9	171739072673	10.0	0.0	10.0
10	181539077010	10.0	0.0	10.0
11	20049041117	12.5	0.0	12.5
12	181839067574	11.5	0.0	11.5
13	19059056237	14.0	0.0	14.0
14	2188420846	12.0	0.0	12.0
15	161639070757	10.25	0.0	10.25
16	2097827822	10.0	0.0	10.0
17	171739067213	10.5	0.0	10.5
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	7.5	0.0	7.5
21	161639067423	12.0	0.0	12.0
22	161739081753	15.0	0.0	15.0
23	181839070150	0.0	0.0	0.0
24	21109045908	10.0	0.0	10.0
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Anglais technique et Terminologie / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	10.0	0.0	10.0
2	21119045498	15.0	0.0	15.0
3	161639056995	5.0	0.0	5.0
4	171739071365	10.5	0.0	10.5
5	181839068231	13.5	0.0	13.5
6	181839068341	10.0	0.0	10.0
7	161639076833	10.0	0.0	10.0
8	21069054317	14.5	0.0	14.5
9	181839071484	14.0	0.0	14.0
10	2099932513	11.0	0.0	11.0
11	171739064417	0.0	0.0	0.0
12	181839066952	14.0	0.0	14.0
13	181839070256	7.0	0.0	7.0
14	171739069684	5.0	0.0	5.0
15	20059043681	12.0	0.0	12.0
16	181839072363	10.0	0.0	10.0
17	171739067302	0.0	0.0	0.0
18	161639072498	12.0	0.0	12.0
19	161439062444	8.0	0.0	8.0
20	21099050806	14.5	0.0	14.5
21	211539070481	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Anglais technique et Terminologie / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	12.5	0.0	12.5
2	181839071088	17.5	0.0	17.5
3	21119044802	12.5	0.0	12.5
4	171739070039	13.5	0.0	13.5
5	181839068234	15.5	0.0	15.5
6	181839071931	14.0	0.0	14.0
7	161639068960	14.0	0.0	14.0
8	171739072172	0.0	0.0	0.0
9	18109035426	15.0	0.0	15.0
10	181839067493	15.5	0.0	15.5
11	161639072588	12.5	0.0	12.5
12	21901032034	0.0	0.0	0.0
13	21079067565	11.0	0.0	11.0
14	161639057018	0.0	0.0	0.0
15	171739075334	14.0	0.0	14.0
16	171739064566	0.0	0.0	0.0
17	2099932522	17.0	0.0	17.0
18	171739067653	13.5	0.0	13.5
19	181839073622	13.5	0.0	13.5
20	171739081667	13.5	0.0	13.5
21	171739076642	0.0	0.0	0.0
22	161439062716	7.0	0.0	7.0
23	171539075069	13.0	0.0	13.0
24	211339057761	7.0	0.0	7.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Anglais technique et Terminologie / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	11.0	0.0	11.0
2	171739065214	17.5	0.0	17.5
3	171739068210	0.0	0.0	0.0
4	181839068301	12.5	0.0	12.5
5	161639057037	11.0	0.0	11.0
6	181839069822	0.0	0.0	0.0
7	21059055869	12.5	0.0	12.5
8	21119045604	11.5	0.0	11.5
9	161639072625	11.5	0.0	11.5
10	171739070702	7.0	0.0	7.0
11	171739073698	0.0	0.0	0.0
12	181839072229	15.5	0.0	15.5
13	181839065701	14.0	0.0	14.0
14	21079074789	10.0	0.0	10.0
15	161739080651	10.0	0.0	10.0
16	171739075753	15.5	0.0	15.5
17	181839071160	11.0	0.0	11.0
18	161639077338	0.0	0.0	0.0
19	171539076160	14.0	0.0	14.0
20	21109042008	14.0	0.0	14.0
21	211439064881	11.0	0.0	11.0
22	211439055714	13.5	0.0	13.5

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Energies Renouvelables et Enjeux Energétiques / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	12.0	14.0	12.8
2	181839072272	9.0	0.0	5.4
3	171739080751	10.0	10.0	10.0
4	181439060670	11.2	11.2	11.2
5	211339046961	11.0	0.0	6.6
6	181839071404	10.0	8.0	9.2
7	171739076023	0.0	0.0	0.0
8	181839068329	10.0	8.0	9.2
9	171739072673	12.5	0.0	7.5
10	181539077010	11.0	12.0	11.4
11	200490411117	15.0	16.0	15.4
12	181839067574	12.0	9.0	10.8
13	19059056237	14.5	14.5	14.5
14	2188420846	12.0	10.0	11.2
15	161639070757	6.0	6.0	6.0
16	2097827822	15.5	10.0	13.3
17	171739067213	0.0	0.0	0.0
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	11.0	0.0	6.6
21	161639067423	0.0	0.0	0.0
22	161739081753	12.0	14.0	12.8
23	181839070150	0.0	0.0	0.0
24	21109045908	13.5	12.0	12.9
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Energies Renouvelables et Enjeux Energétiques / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	11.0	10.0	10.6
2	21119045498	13.0	8.0	11.0
3	161639056995	10.0	0.0	6.0
4	171739071365	12.0	11.0	11.6
5	181839068231	8.0	3.0	6.0
6	181839068341	12.0	10.0	11.2
7	161639076833	11.8	11.8	11.8
8	21069054317	14.0	16.0	14.8
9	181839071484	12.0	8.0	10.4
10	2099932513	13.5	12.0	12.9
11	171739064417	0.0	0.0	0.0
12	181839066952	13.0	0.0	7.8
13	181839070256	11.5	0.0	6.9
14	171739069684	13.5	10.5	12.3
15	20059043681	14.0	0.0	8.4
16	181839072363	10.0	0.0	6.0
17	171739067302	0.0	0.0	0.0
18	161639072498	13.0	10.0	11.8
19	161439062444	11.0	15.0	12.6
20	21099050806	14.0	10.0	12.4
21	211539070481	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Energies Renouvelables et Enjeux Energétiques / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	12.0	14.0	12.8
2	181839071088	12.0	11.0	11.6
3	21119044802	12.0	11.0	11.6
4	171739070039	1.2	1.2	1.2
5	181839068234	10.5	9.0	9.9
6	181839071931	10.0	11.0	10.4
7	161639068960	7.2	7.2	7.2
8	171739072172	0.0	0.0	0.0
9	18109035426	13.0	0.0	7.8
10	181839067493	10.0	10.0	10.0
11	161639072588	13.0	10.0	11.8
12	21901032034	0.0	0.0	0.0
13	21079067565	15.0	11.0	13.4
14	161639057018	0.0	0.0	0.0
15	171739075334	13.5	13.0	13.3
16	171739064566	11.4	11.4	11.4
17	2099932522	12.0	12.0	12.0
18	171739067653	12.0	7.0	10.0
19	181839073622	13.0	13.0	13.0
20	171739081667	12.0	11.0	11.6
21	171739076642	0.0	0.0	0.0
22	161439062716	10.0	6.0	8.4
23	171539075069	13.0	11.0	12.2
24	211339057761	13.0	10.0	11.8

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Energies Renouvelables et Enjeux Energétiques / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	0.0	0.0	0.0
2	171739065214	6.8	6.8	6.8
3	171739068210	0.0	0.0	0.0
4	181839068301	10.0	0.0	6.0
5	161639057037	12.0	0.0	7.2
6	181839069822	0.0	0.0	0.0
7	21059055869	13.0	0.0	7.8
8	21119045604	12.0	5.0	9.2
9	161639072625	6.8	6.8	6.8
10	171739070702	10.0	12.0	10.8
11	171739073698	0.0	0.0	0.0
12	181839072229	10.0	6.0	8.4
13	181839065701	11.0	11.0	11.0
14	21079074789	14.0	10.0	12.4
15	161739080651	10.5	0.0	6.3
16	171739075753	10.0	8.0	9.2
17	181839071160	12.0	10.0	11.2
18	161639077338	0.0	0.0	0.0
19	171539076160	13.0	10.0	11.8
20	21109042008	14.5	13.0	13.9
21	211439064881	13.0	0.0	7.8
22	211439055714	12.0	10.0	11.2

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Gisements Renouvelables et Météorologie / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	5.75	8.13	6.7
2	181839072272	8.5	10.37	9.25
3	171739080751	9.5	1.5	6.3
4	181439060670	0.0	0.0	0.0
5	211339046961	7.0	11.63	8.85
6	181839071404	6.5	10.0	7.9
7	171739076023	0.0	0.0	0.0
8	181839068329	6.75	11.38	8.6
9	171739072673	7.25	0.0	4.35
10	181539077010	9.25	9.0	9.15
11	200490411117	11.5	13.88	12.45
12	181839067574	11.75	11.63	11.7
13	19059056237	16.75	12.5	15.05
14	2188420846	6.0	10.0	7.6
15	161639070757	10.2	10.2	10.2
16	2097827822	11.0	13.5	12.0
17	171739067213	0.0	0.0	0.0
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	0.0	9.5	3.8
21	161639067423	5.75	12.5	8.45
22	161739081753	9.75	11.75	10.55
23	181839070150	0.0	0.0	0.0
24	21109045908	0.0	12.88	5.15
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	6.5	2.6

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Gisements Renouvelables et Météorologie / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	5.25	9.5	6.95
2	21119045498	8.75	10.87	9.6
3	161639056995	5.25	0.0	3.15
4	171739071365	8.75	13.38	10.6
5	181839068231	7.0	10.88	8.55
6	181839068341	11.25	8.75	10.25
7	161639076833	9.0	8.0	8.6
8	21069054317	11.75	16.25	13.55
9	181839071484	8.0	9.88	8.75
10	2099932513	13.25	13.75	13.45
11	171739064417	0.0	0.0	0.0
12	181839066952	10.25	12.0	10.95
13	181839070256	9.75	12.5	10.85
14	171739069684	8.5	11.63	9.75
15	20059043681	12.5	12.75	12.6
16	181839072363	8.75	8.0	8.45
17	171739067302	0.0	0.0	0.0
18	161639072498	6.75	3.0	5.25
19	161439062444	9.25	11.75	10.25
20	21099050806	9.75	12.5	10.85
21	211539070481	0.0	6.5	2.6

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Gisements Renouvelables et Météorologie / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	7.5	6.5	7.1
2	181839071088	11.5	11.0	11.3
3	21119044802	11.0	11.37	11.15
4	171739070039	3.5	12.25	7.0
5	181839068234	9.25	11.0	9.95
6	181839071931	9.25	12.63	10.6
7	161639068960	0.0	0.0	0.0
8	171739072172	0.0	0.0	0.0
9	18109035426	6.0	6.5	6.2
10	181839067493	6.5	12.25	8.8
11	161639072588	10.25	10.0	10.15
12	21901032034	0.0	0.0	0.0
13	21079067565	8.25	13.63	10.4
14	161639057018	0.0	0.0	0.0
15	171739075334	6.5	10.88	8.25
16	171739064566	8.75	0.0	5.25
17	2099932522	11.25	16.75	13.45
18	171739067653	0.0	10.25	4.1
19	181839073622	10.75	15.0	12.45
20	171739081667	6.25	8.38	7.1
21	171739076642	0.0	0.0	0.0
22	161439062716	8.5	10.25	9.2
23	171539075069	6.75	15.0	10.05
24	211339057761	8.0	10.63	9.05

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Gisements Renouvelables et Météorologie / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	0.0	0.0	0.0
2	171739065214	6.5	8.75	7.4
3	171739068210	0.0	0.0	0.0
4	181839068301	10.75	11.37	11.0
5	161639057037	9.75	7.87	9.0
6	181839069822	0.0	0.0	0.0
7	21059055869	6.0	10.75	7.9
8	21119045604	8.5	10.0	9.1
9	161639072625	8.25	0.0	4.95
10	171739070702	10.0	3.38	7.35
11	171739073698	0.0	6.5	2.6
12	181839072229	6.0	10.25	7.7
13	181839065701	8.75	11.25	9.75
14	21079074789	9.25	11.5	10.15
15	161739080651	6.75	12.25	8.95
16	171739075753	7.0	8.0	7.4
17	181839071160	8.75	10.63	9.5
18	161639077338	0.0	0.0	0.0
19	171539076160	9.25	12.25	10.45
20	21109042008	8.0	13.13	10.05
21	211439064881	9.75	10.75	10.15
22	211439055714	6.75	10.75	8.35

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Mécanique des Fluides Approfondie / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	0.0	4.0	1.6
2	181839072272	0.0	7.0	2.8
3	171739080751	2.0	8.0	4.4
4	181439060670	0.0	0.0	0.0
5	211339046961	0.0	4.0	1.6
6	181839071404	0.0	1.0	0.4
7	171739076023	0.0	0.0	0.0
8	181839068329	0.0	12.5	5.0
9	171739072673	0.0	1.0	0.4
10	181539077010	0.0	5.0	2.0
11	200490411117	0.0	9.0	3.6
12	181839067574	7.0	14.0	9.8
13	19059056237	17.0	20.0	18.2
14	2188420846	0.0	8.5	3.4
15	161639070757	0.0	0.0	0.0
16	2097827822	3.0	14.0	7.4
17	171739067213	10.4	10.4	10.4
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	5.0	11.0	7.4
21	161639067423	0.0	12.0	4.8
22	161739081753	0.0	4.25	1.7
23	181839070150	0.0	0.0	0.0
24	21109045908	20.0	14.0	17.6
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Mécanique des Fluides Approfondie / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	7.0	14.0	9.8
2	21119045498	0.0	6.0	2.4
3	161639056995	0.0	0.0	0.0
4	171739071365	0.0	9.5	3.8
5	181839068231	2.0	2.0	2.0
6	181839068341	2.0	4.0	2.8
7	161639076833	10.4	10.4	10.4
8	21069054317	9.0	14.5	11.2
9	181839071484	0.0	6.0	2.4
10	2099932513	8.0	14.0	10.4
11	171739064417	0.0	0.0	0.0
12	181839066952	6.0	4.0	5.2
13	181839070256	0.0	9.0	3.6
14	171739069684	0.0	3.5	1.4
15	20059043681	2.0	8.0	4.4
16	181839072363	0.0	1.0	0.4
17	171739067302	0.0	0.0	0.0
18	161639072498	0.0	1.0	0.4
19	161439062444	0.0	8.0	3.2
20	21099050806	8.0	17.5	11.8
21	211539070481	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Mécanique des Fluides Approfondie / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	0.0	5.0	2.0
2	181839071088	2.0	4.0	2.8
3	21119044802	8.0	17.0	11.6
4	171739070039	10.4	10.4	10.4
5	181839068234	0.0	14.0	5.6
6	181839071931	0.0	4.0	1.6
7	161639068960	10.4	10.4	10.4
8	171739072172	0.0	0.0	0.0
9	18109035426	0.0	5.0	2.0
10	181839067493	11.0	14.0	12.2
11	161639072588	0.0	16.0	6.4
12	21901032034	0.0	0.0	0.0
13	21079067565	0.0	10.0	4.0
14	161639057018	0.0	0.0	0.0
15	171739075334	0.0	4.0	1.6
16	171739064566	0.0	0.0	0.0
17	2099932522	2.0	13.0	6.4
18	171739067653	0.0	2.0	0.8
19	181839073622	2.0	2.0	2.0
20	171739081667	0.0	4.0	1.6
21	171739076642	0.0	0.0	0.0
22	161439062716	0.0	10.0	4.0
23	171539075069	0.0	5.0	2.0
24	211339057761	11.0	11.5	11.2

Signature de l'enseignant:

Le:

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Mécanique des Fluides Approfondie / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	0.0	0.0	0.0
2	171739065214	10.4	10.4	10.4
3	171739068210	0.0	0.0	0.0
4	181839068301	0.0	9.5	3.8
5	161639057037	6.0	9.5	7.4
6	181839069822	0.0	0.0	0.0
7	21059055869	0.0	14.0	5.6
8	21119045604	9.0	9.5	9.2
9	161639072625	10.4	10.4	10.4
10	171739070702	0.0	18.0	7.2
11	171739073698	0.0	0.0	0.0
12	181839072229	0.0	8.5	3.4
13	181839065701	0.0	0.0	0.0
14	21079074789	0.0	1.0	0.4
15	161739080651	0.0	4.0	1.6
16	171739075753	10.4	10.4	10.4
17	181839071160	0.0	11.0	4.4
18	161639077338	0.0	0.0	0.0
19	171539076160	0.0	4.0	1.6
20	21109042008	20.0	20.0	20.0
21	211439064881	0.0	12.0	4.8
22	211439055714	0.0	4.0	1.6

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Méthodes Numériques Appliquées / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	7.5	15.5	10.7
2	181839072272	7.0	10.0	8.2
3	171739080751	3.0	10.0	5.8
4	181439060670	0.0	0.0	0.0
5	211339046961	3.0	0.0	1.8
6	181839071404	7.5	3.0	5.7
7	171739076023	0.0	0.0	0.0
8	181839068329	7.0	14.5	10.0
9	171739072673	7.0	10.0	8.2
10	181539077010	7.5	6.5	7.1
11	200490411117	7.0	11.0	8.6
12	181839067574	18.0	12.5	15.8
13	19059056237	11.5	11.5	11.5
14	2188420846	4.0	12.5	7.4
15	161639070757	0.0	0.0	0.0
16	2097827822	9.5	5.0	7.7
17	171739067213	10.4	10.4	10.4
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	8.5	4.0	6.7
21	161639067423	9.5	4.5	7.5
22	161739081753	7.0	3.0	5.4
23	181839070150	0.0	0.0	0.0
24	21109045908	12.0	10.0	11.2
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Méthodes Numériques Appliquées / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	0.0	10.0	4.0
2	21119045498	9.5	10.0	9.7
3	161639056995	3.0	2.0	2.6
4	171739071365	3.0	10.0	5.8
5	181839068231	13.5	6.0	10.5
6	181839068341	9.5	16.5	12.3
7	161639076833	3.0	0.0	1.8
8	21069054317	8.0	14.0	10.4
9	181839071484	7.0	5.0	6.2
10	2099932513	7.0	3.5	5.6
11	171739064417	0.0	0.0	0.0
12	181839066952	12.0	10.0	11.2
13	181839070256	7.0	4.0	5.8
14	171739069684	8.0	6.5	7.4
15	20059043681	7.0	11.0	8.6
16	181839072363	7.0	12.0	9.0
17	171739067302	0.0	0.0	0.0
18	161639072498	7.0	6.5	6.8
19	161439062444	7.0	9.0	7.8
20	21099050806	12.0	10.5	11.4
21	211539070481	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Méthodes Numériques Appliquées / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	12.0	6.0	9.6
2	181839071088	7.0	12.0	9.0
3	21119044802	7.0	11.5	8.8
4	171739070039	9.0	6.5	8.0
5	181839068234	12.5	5.5	9.7
6	181839071931	7.5	11.0	8.9
7	161639068960	0.0	0.0	0.0
8	171739072172	0.0	0.0	0.0
9	18109035426	13.0	10.0	11.8
10	181839067493	10.0	20.0	14.0
11	161639072588	7.0	12.0	9.0
12	21901032034	0.0	0.0	0.0
13	21079067565	7.0	11.0	8.6
14	161639057018	2.0	0.0	1.2
15	171739075334	8.0	10.0	8.8
16	171739064566	0.0	0.0	0.0
17	2099932522	5.0	3.0	4.2
18	171739067653	8.0	12.0	9.6
19	181839073622	7.0	12.0	9.0
20	171739081667	10.0	6.5	8.6
21	171739076642	0.0	0.0	0.0
22	161439062716	7.0	10.0	8.2
23	171539075069	12.0	6.5	9.8
24	211339057761	3.0	3.0	3.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Méthodes Numériques Appliquées / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	0.0	0.0	0.0
2	171739065214	7.5	6.5	7.1
3	171739068210	0.0	0.0	0.0
4	181839068301	13.0	10.0	11.8
5	161639057037	9.5	10.0	9.7
6	181839069822	0.0	0.0	0.0
7	21059055869	7.5	12.0	9.3
8	21119045604	14.5	10.0	12.7
9	161639072625	11.0	11.0	11.0
10	171739070702	12.0	12.5	12.2
11	171739073698	0.0	0.0	0.0
12	181839072229	7.0	10.0	8.2
13	181839065701	5.5	13.0	8.5
14	21079074789	9.5	10.0	9.7
15	161739080651	7.0	12.0	9.0
16	171739075753	13.5	12.0	12.9
17	181839071160	11.0	7.0	9.4
18	161639077338	0.0	0.0	0.0
19	171539076160	10.0	12.0	10.8
20	21109042008	14.5	14.0	14.3
21	211439064881	12.5	12.0	12.3
22	211439055714	12.5	12.0	12.3

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Notions D'aérody et Turboma / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	5.0	0.0	5.0
2	181839072272	5.0	0.0	5.0
3	171739080751	5.0	0.0	5.0
4	181439060670	14.0	0.0	14.0
5	211339046961	9.0	0.0	9.0
6	181839071404	5.0	0.0	5.0
7	171739076023	0.0	0.0	0.0
8	181839068329	4.0	0.0	4.0
9	171739072673	9.0	0.0	9.0
10	181539077010	8.0	0.0	8.0
11	200490411117	17.0	0.0	17.0
12	181839067574	17.0	0.0	17.0
13	19059056237	18.0	0.0	18.0
14	2188420846	7.0	0.0	7.0
15	161639070757	0.0	0.0	0.0
16	2097827822	15.0	0.0	15.0
17	171739067213	14.0	0.0	14.0
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	7.0	0.0	7.0
21	161639067423	8.0	0.0	8.0
22	161739081753	7.0	0.0	7.0
23	181839070150	0.0	0.0	0.0
24	21109045908	0.0	0.0	0.0
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Notions D'aérody et Turboma / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	7.0	0.0	7.0
2	21119045498	8.0	0.0	8.0
3	161639056995	6.0	0.0	6.0
4	171739071365	7.0	0.0	7.0
5	181839068231	9.0	0.0	9.0
6	181839068341	8.0	0.0	8.0
7	161639076833	11.0	0.0	11.0
8	21069054317	17.0	0.0	17.0
9	181839071484	6.0	0.0	6.0
10	2099932513	12.0	0.0	12.0
11	171739064417	0.0	0.0	0.0
12	181839066952	10.0	0.0	10.0
13	181839070256	8.0	0.0	8.0
14	171739069684	0.0	0.0	0.0
15	20059043681	9.0	0.0	9.0
16	181839072363	8.0	0.0	8.0
17	171739067302	0.0	0.0	0.0
18	161639072498	16.0	0.0	16.0
19	161439062444	6.0	0.0	6.0
20	21099050806	17.0	0.0	17.0
21	211539070481	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Notions D'aérody et Turboma / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	6.0	0.0	6.0
2	181839071088	11.0	0.0	11.0
3	21119044802	7.0	0.0	7.0
4	171739070039	13.0	0.0	13.0
5	181839068234	18.0	0.0	18.0
6	181839071931	9.0	0.0	9.0
7	161639068960	14.0	0.0	14.0
8	171739072172	0.0	0.0	0.0
9	18109035426	17.0	0.0	17.0
10	181839067493	15.0	0.0	15.0
11	161639072588	6.0	0.0	6.0
12	21901032034	0.0	0.0	0.0
13	21079067565	6.0	0.0	6.0
14	161639057018	0.0	0.0	0.0
15	171739075334	6.0	0.0	6.0
16	171739064566	0.0	0.0	0.0
17	2099932522	13.0	0.0	13.0
18	171739067653	0.0	0.0	0.0
19	181839073622	16.0	0.0	16.0
20	171739081667	8.0	0.0	8.0
21	171739076642	0.0	0.0	0.0
22	161439062716	3.0	0.0	3.0
23	171539075069	8.0	0.0	8.0
24	211339057761	7.0	0.0	7.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Notions D'aérody et Turboma / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	12.5	0.0	12.5
2	171739065214	16.0	0.0	16.0
3	171739068210	0.0	0.0	0.0
4	181839068301	15.0	0.0	15.0
5	161639057037	7.0	0.0	7.0
6	181839069822	0.0	0.0	0.0
7	21059055869	15.0	0.0	15.0
8	21119045604	14.0	0.0	14.0
9	161639072625	13.0	0.0	13.0
10	171739070702	13.0	0.0	13.0
11	171739073698	0.0	0.0	0.0
12	181839072229	7.0	0.0	7.0
13	181839065701	16.0	0.0	16.0
14	21079074789	17.0	0.0	17.0
15	161739080651	10.0	0.0	10.0
16	171739075753	13.0	0.0	13.0
17	181839071160	13.0	0.0	13.0
18	161639077338	0.0	0.0	0.0
19	171539076160	10.0	0.0	10.0
20	21109042008	16.0	0.0	16.0
21	211439064881	5.0	0.0	5.0
22	211439055714	6.0	0.0	6.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Réglementation et Normes / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	5.5	0.0	5.5
2	181839072272	14.25	0.0	14.25
3	171739080751	3.5	0.0	3.5
4	181439060670	7.0	0.0	7.0
5	211339046961	0.0	0.0	0.0
6	181839071404	12.0	0.0	12.0
7	171739076023	0.0	0.0	0.0
8	181839068329	8.5	0.0	8.5
9	171739072673	5.0	0.0	5.0
10	181539077010	9.75	0.0	9.75
11	200490411117	11.25	0.0	11.25
12	181839067574	5.5	0.0	5.5
13	19059056237	15.5	0.0	15.5
14	2188420846	5.0	0.0	5.0
15	161639070757	0.0	0.0	0.0
16	2097827822	7.0	0.0	7.0
17	171739067213	9.75	0.0	9.75
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	6.75	0.0	6.75
21	161639067423	6.5	0.0	6.5
22	161739081753	6.75	0.0	6.75
23	181839070150	0.0	0.0	0.0
24	21109045908	10.0	0.0	10.0
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Réglementation et Normes / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	7.5	0.0	7.5
2	21119045498	8.0	0.0	8.0
3	161639056995	6.0	0.0	6.0
4	171739071365	6.25	0.0	6.25
5	181839068231	4.75	0.0	4.75
6	181839068341	11.25	0.0	11.25
7	161639076833	4.25	0.0	4.25
8	21069054317	10.0	0.0	10.0
9	181839071484	8.75	0.0	8.75
10	2099932513	10.0	0.0	10.0
11	171739064417	0.0	0.0	0.0
12	181839066952	6.25	0.0	6.25
13	181839070256	7.5	0.0	7.5
14	171739069684	4.75	0.0	4.75
15	20059043681	5.25	0.0	5.25
16	181839072363	10.5	0.0	10.5
17	171739067302	0.0	0.0	0.0
18	161639072498	8.75	0.0	8.75
19	161439062444	5.25	0.0	5.25
20	21099050806	13.5	0.0	13.5
21	211539070481	0.0	0.0	0.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Réglementation et Normes / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	0.0	0.0	0.0
2	181839071088	12.0	0.0	12.0
3	21119044802	11.75	0.0	11.75
4	171739070039	14.25	0.0	14.25
5	181839068234	2.5	0.0	2.5
6	181839071931	6.25	0.0	6.25
7	161639068960	8.25	0.0	8.25
8	171739072172	0.0	0.0	0.0
9	18109035426	7.75	0.0	7.75
10	181839067493	8.5	0.0	8.5
11	161639072588	5.25	0.0	5.25
12	21901032034	0.0	0.0	0.0
13	21079067565	8.0	0.0	8.0
14	161639057018	0.0	0.0	0.0
15	171739075334	4.5	0.0	4.5
16	171739064566	4.75	0.0	4.75
17	2099932522	9.5	0.0	9.5
18	171739067653	1.0	0.0	1.0
19	181839073622	7.0	0.0	7.0
20	171739081667	3.0	0.0	3.0
21	171739076642	0.0	0.0	0.0
22	161439062716	6.5	0.0	6.5
23	171539075069	5.5	0.0	5.5
24	211339057761	7.5	0.0	7.5

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Réglementation et Normes / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	0.0	0.0	0.0
2	171739065214	8.5	0.0	8.5
3	171739068210	0.0	0.0	0.0
4	181839068301	6.0	0.0	6.0
5	161639057037	5.0	0.0	5.0
6	181839069822	0.0	0.0	0.0
7	21059055869	15.5	0.0	15.5
8	21119045604	14.75	0.0	14.75
9	161639072625	4.25	0.0	4.25
10	171739070702	13.75	0.0	13.75
11	171739073698	0.0	0.0	0.0
12	181839072229	5.75	0.0	5.75
13	181839065701	13.75	0.0	13.75
14	21079074789	5.0	0.0	5.0
15	161739080651	7.75	0.0	7.75
16	171739075753	13.5	0.0	13.5
17	181839071160	8.25	0.0	8.25
18	161639077338	0.0	0.0	0.0
19	171539076160	16.25	0.0	16.25
20	21109042008	16.25	0.0	16.25
21	211439064881	8.5	0.0	8.5
22	211439055714	7.0	0.0	7.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: Thermodynamique Approfondie / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	2.0	12.5	6.2
2	181839072272	8.0	10.0	8.8
3	171739080751	2.0	10.5	5.4
4	181439060670	0.0	0.0	0.0
5	211339046961	2.0	0.0	1.2
6	181839071404	2.0	7.0	4.0
7	171739076023	0.0	0.0	0.0
8	181839068329	17.0	10.5	14.4
9	171739072673	2.0	8.0	4.4
10	181539077010	3.0	11.5	6.4
11	200490411117	2.0	10.0	5.2
12	181839067574	10.0	12.5	11.0
13	19059056237	18.0	12.5	15.8
14	2188420846	6.0	10.5	7.8
15	161639070757	0.0	0.0	0.0
16	2097827822	2.0	8.5	4.6
17	171739067213	0.0	0.0	0.0
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	0.0	0.0	0.0
21	161639067423	10.0	7.0	8.8
22	161739081753	9.0	8.0	8.6
23	181839070150	0.0	0.0	0.0
24	21109045908	16.0	13.0	14.8
25	21099043012	0.0	0.0	0.0
26	161539067946	6.0	14.0	9.2

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Filière: Génie Mécanique
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Niveau:

Matière: Thermodynamique Approfondie / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	5.0	12.5	8.0
2	21119045498	6.0	8.0	6.8
3	161639056995	2.0	0.0	1.2
4	171739071365	8.0	10.0	8.8
5	181839068231	11.0	11.0	11.0
6	181839068341	18.0	16.0	17.2
7	161639076833	0.0	0.0	0.0
8	21069054317	8.0	8.0	8.0
9	181839071484	2.0	5.0	3.2
10	2099932513	5.0	8.0	6.2
11	171739064417	0.0	0.0	0.0
12	181839066952	14.0	13.5	13.8
13	181839070256	6.0	0.0	3.6
14	171739069684	5.0	0.0	3.0
15	20059043681	4.0	10.0	6.4
16	181839072363	5.0	11.0	7.4
17	171739067302	0.0	0.0	0.0
18	161639072498	7.0	14.0	9.8
19	161439062444	2.0	10.5	5.4
20	21099050806	11.0	10.5	10.8
21	211539070481	0.0	0.0	0.0

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Filière: Génie Mécanique
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Niveau:

Matière: Thermodynamique Approfondie / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	8.0	0.0	4.8
2	181839071088	6.0	8.5	7.0
3	21119044802	12.0	11.0	11.6
4	171739070039	2.0	11.0	5.6
5	181839068234	14.0	7.0	11.2
6	181839071931	4.0	8.5	5.8
7	161639068960	0.0	0.0	0.0
8	171739072172	0.0	0.0	0.0
9	18109035426	14.0	12.0	13.2
10	181839067493	17.0	11.0	14.6
11	161639072588	5.0	7.0	5.8
12	21901032034	0.0	0.0	0.0
13	21079067565	12.0	8.0	10.4
14	161639057018	0.0	0.0	0.0
15	171739075334	2.0	13.5	6.6
16	171739064566	0.0	0.0	0.0
17	2099932522	2.0	10.0	5.2
18	171739067653	2.0	10.0	5.2
19	181839073622	8.0	10.0	8.8
20	171739081667	2.0	10.0	5.2
21	171739076642	0.0	0.0	0.0
22	161439062716	6.0	12.0	8.4
23	171539075069	10.0	12.0	10.8
24	211339057761	12.0	14.0	12.8

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Filière: Génie Mécanique
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Niveau:

Matière: Thermodynamique Approfondie / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	6.5	0.0	3.9
2	171739065214	2.0	0.0	1.2
3	171739068210	0.0	0.0	0.0
4	181839068301	8.0	13.0	10.0
5	161639057037	6.0	9.0	7.2
6	181839069822	0.0	0.0	0.0
7	21059055869	13.0	10.0	11.8
8	21119045604	17.0	11.0	14.6
9	161639072625	2.0	14.0	6.8
10	171739070702	11.0	0.0	6.6
11	171739073698	0.0	0.0	0.0
12	181839072229	3.0	8.0	5.0
13	181839065701	9.0	11.0	9.8
14	21079074789	11.0	10.0	10.6
15	161739080651	6.5	12.0	8.7
16	171739075753	5.0	0.0	3.0
17	181839071160	11.0	11.5	11.2
18	161639077338	0.0	0.0	0.0
19	171539076160	3.5	8.0	5.3
20	21109042008	18.0	18.0	18.0
21	211439064881	10.0	10.0	10.0
22	211439055714	13.0	13.0	13.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: TP Gisements Renouvelables et Météorologie / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	0.0	17.5	17.5
2	181839072272	0.0	17.5	17.5
3	171739080751	0.0	10.0	10.0
4	181439060670	0.0	13.8	13.8
5	211339046961	0.0	12.0	12.0
6	181839071404	0.0	17.0	17.0
7	171739076023	0.0	0.0	0.0
8	181839068329	0.0	17.5	17.5
9	171739072673	0.0	14.0	14.0
10	181539077010	0.0	15.25	15.25
11	200490411117	0.0	17.0	17.0
12	181839067574	0.0	16.5	16.5
13	19059056237	0.0	19.0	19.0
14	2188420846	0.0	16.5	16.5
15	161639070757	0.0	12.8	12.8
16	2097827822	0.0	17.0	17.0
17	171739067213	0.0	0.0	0.0
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	0.0	15.0	15.0
21	161639067423	0.0	16.5	16.5
22	161739081753	0.0	16.0	16.0
23	181839070150	0.0	0.0	0.0
24	21109045908	0.0	17.75	17.75
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	15.0	15.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: TP Gisements Renouvelables et Météorologie / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	0.0	17.5	17.5
2	21119045498	0.0	16.25	16.25
3	161639056995	0.0	0.0	0.0
4	171739071365	0.0	15.75	15.75
5	181839068231	0.0	19.0	19.0
6	181839068341	0.0	16.0	16.0
7	161639076833	0.0	13.0	13.0
8	21069054317	0.0	19.0	19.0
9	181839071484	0.0	19.0	19.0
10	2099932513	0.0	17.0	17.0
11	171739064417	0.0	16.5	16.5
12	181839066952	0.0	19.0	19.0
13	181839070256	0.0	14.75	14.75
14	171739069684	0.0	17.5	17.5
15	20059043681	0.0	16.0	16.0
16	181839072363	0.0	16.0	16.0
17	171739067302	0.0	0.0	0.0
18	161639072498	0.0	14.0	14.0
19	161439062444	0.0	13.75	13.75
20	21099050806	0.0	19.0	19.0
21	211539070481	0.0	17.0	17.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: TP Gisements Renouvelables et Météorologie / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	0.0	13.25	13.25
2	181839071088	0.0	16.25	16.25
3	21119044802	0.0	18.0	18.0
4	171739070039	0.0	16.0	16.0
5	181839068234	0.0	16.0	16.0
6	181839071931	0.0	14.0	14.0
7	161639068960	0.0	15.5	15.5
8	171739072172	0.0	0.0	0.0
9	18109035426	0.0	13.25	13.25
10	181839067493	0.0	16.5	16.5
11	161639072588	0.0	17.0	17.0
12	21901032034	0.0	0.0	0.0
13	21079067565	0.0	16.5	16.5
14	161639057018	0.0	0.0	0.0
15	171739075334	0.0	16.5	16.5
16	171739064566	0.0	16.0	16.0
17	2099932522	0.0	17.0	17.0
18	171739067653	0.0	16.5	16.5
19	181839073622	0.0	17.5	17.5
20	171739081667	0.0	14.0	14.0
21	171739076642	0.0	14.5	14.5
22	161439062716	0.0	14.75	14.75
23	171539075069	0.0	15.25	15.25
24	211339057761	0.0	16.5	16.5

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: TP Gisements Renouvelables et Météorologie / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	0.0	15.0	15.0
2	171739065214	0.0	12.5	12.5
3	171739068210	0.0	0.0	0.0
4	181839068301	0.0	16.0	16.0
5	161639057037	0.0	13.75	13.75
6	181839069822	0.0	0.0	0.0
7	21059055869	0.0	15.75	15.75
8	21119045604	0.0	17.0	17.0
9	161639072625	0.0	15.5	15.5
10	171739070702	0.0	16.0	16.0
11	171739073698	0.0	0.0	0.0
12	181839072229	0.0	16.5	16.5
13	181839065701	0.0	16.5	16.5
14	21079074789	0.0	16.75	16.75
15	161739080651	0.0	16.75	16.75
16	171739075753	0.0	15.0	15.0
17	181839071160	0.0	19.0	19.0
18	161639077338	0.0	0.0	0.0
19	171539076160	0.0	16.0	16.0
20	21109042008	0.0	19.0	19.0
21	211439064881	0.0	16.75	16.75
22	211439055714	0.0	16.75	16.75

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Filière: Génie Mécanique
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Niveau:

Matière: TP Méthodes Numériques Appliquées / Section A / 1

#	Matricule	Examen	CC	MG
1	181839065713	0.0	14.0	14.0
2	181839072272	0.0	14.0	14.0
3	171739080751	0.0	0.0	0.0
4	181439060670	0.0	12.38	12.38
5	211339046961	0.0	10.0	10.0
6	181839071404	0.0	14.0	14.0
7	171739076023	0.0	0.0	0.0
8	181839068329	0.0	14.5	14.5
9	171739072673	0.0	16.5	16.5
10	181539077010	0.0	12.5	12.5
11	200490411117	0.0	12.0	12.0
12	181839067574	0.0	15.0	15.0
13	19059056237	0.0	15.0	15.0
14	2188420846	0.0	12.0	12.0
15	161639070757	0.0	12.7	12.7
16	2097827822	0.0	11.5	11.5
17	171739067213	0.0	14.5	14.5
18	171739073739	0.0	0.0	0.0
19	171739069247	0.0	0.0	0.0
20	19932085003	0.0	10.0	10.0
21	161639067423	0.0	17.25	17.25
22	161739081753	0.0	15.0	15.0
23	181839070150	0.0	0.0	0.0
24	21109045908	0.0	13.5	13.5
25	21099043012	0.0	0.0	0.0
26	161539067946	0.0	10.0	10.0

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Filière: Génie Mécanique
énergies renouvelables en mécanique

Niveau:

Matière: TP Méthodes Numériques Appliquées / Section A / 2

#	Matricule	Examen	CC	MG
1	171739075110	0.0	14.0	14.0
2	21119045498	0.0	13.5	13.5
3	161639056995	0.0	0.0	0.0
4	171739071365	0.0	13.0	13.0
5	181839068231	0.0	13.5	13.5
6	181839068341	0.0	16.5	16.5
7	161639076833	0.0	16.25	16.25
8	21069054317	0.0	15.0	15.0
9	181839071484	0.0	15.5	15.5
10	2099932513	0.0	11.5	11.5
11	171739064417	0.0	0.0	0.0
12	181839066952	0.0	14.5	14.5
13	181839070256	0.0	14.5	14.5
14	171739069684	0.0	10.0	10.0
15	20059043681	0.0	10.5	10.5
16	181839072363	0.0	10.5	10.5
17	171739067302	0.0	0.0	0.0
18	161639072498	0.0	14.0	14.0
19	161439062444	0.0	11.5	11.5
20	21099050806	0.0	12.5	12.5
21	211539070481	0.0	10.5	10.5

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Filière: Génie Mécanique
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Niveau:

Matière: TP Méthodes Numériques Appliquées / Section A / 3

#	Matricule	Examen	CC	MG
1	171739070115	0.0	11.5	11.5
2	181839071088	0.0	14.0	14.0
3	21119044802	0.0	13.5	13.5
4	171739070039	0.0	17.5	17.5
5	181839068234	0.0	14.5	14.5
6	181839071931	0.0	14.0	14.0
7	161639068960	0.0	16.75	16.75
8	171739072172	0.0	0.0	0.0
9	18109035426	0.0	0.0	0.0
10	181839067493	0.0	15.0	15.0
11	161639072588	0.0	13.0	13.0
12	21901032034	0.0	0.0	0.0
13	21079067565	0.0	13.5	13.5
14	161639057018	0.0	0.0	0.0
15	171739075334	0.0	14.5	14.5
16	171739064566	0.0	1.5	1.5
17	2099932522	0.0	13.5	13.5
18	171739067653	0.0	13.5	13.5
19	181839073622	0.0	14.5	14.5
20	171739081667	0.0	10.5	10.5
21	171739076642	0.0	10.5	10.5
22	161439062716	0.0	11.0	11.0
23	171539075069	0.0	14.5	14.5
24	211339057761	0.0	12.5	12.5

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Filière: Génie Mécanique
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Niveau:

Matière: TP Méthodes Numériques Appliquées / Section A / 4

#	Matricule	Examen	CC	MG
1	161639069046	0.0	15.5	15.5
2	171739065214	0.0	14.0	14.0
3	171739068210	0.0	0.0	0.0
4	181839068301	0.0	12.0	12.0
5	161639057037	0.0	10.0	10.0
6	181839069822	0.0	0.0	0.0
7	21059055869	0.0	14.5	14.5
8	21119045604	0.0	13.5	13.5
9	161639072625	0.0	12.25	12.25
10	171739070702	0.0	14.0	14.0
11	171739073698	0.0	0.0	0.0
12	181839072229	0.0	12.5	12.5
13	181839065701	0.0	13.0	13.0
14	21079074789	0.0	13.5	13.5
15	161739080651	0.0	14.0	14.0
16	171739075753	0.0	10.0	10.0
17	181839071160	0.0	13.0	13.0
18	161639077338	0.0	0.0	0.0
19	171539076160	0.0	15.0	15.0
20	21109042008	0.0	12.5	12.5
21	211439064881	0.0	13.5	13.5
22	211439055714	0.0	14.0	14.0

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