



2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau:

Matière: Anglais technique et terminologie / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	17.0	0.0	17.0
3	181839063296	14.0	0.0	14.0
4	171734026249	12.0	0.0	12.0
5	171739066187	20.0	0.0	20.0
6	181839066502	0.0	0.0	0.0
7	181839070813	14.0	0.0	14.0
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	0.0	0.0
10	181839068253	0.0	0.0	0.0
11	181839080042	14.0	0.0	14.0
12	181839064551	13.0	0.0	13.0
13	161639076224	0.0	0.0	0.0
14	2098823221	16.0	0.0	16.0
15	161639078751	0.0	0.0	0.0
16	181839063962	16.0	0.0	16.0
17	18129045722	13.0	0.0	13.0
18	181839063188	13.0	0.0	13.0
19	181839064935	18.0	0.0	18.0
20	171739081848	16.0	0.0	16.0
21	181839070232	14.0	0.0	14.0
22	181839066569	15.0	0.0	15.0
23	20079065601	18.0	0.0	18.0
24	181839063197	18.0	0.0	18.0
25	181839068981	18.0	0.0	18.0
26	181839062905	15.0	0.0	15.0
27	21940801758	20.0	0.0	20.0
28	181839063837	17.0	0.0	17.0
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	0.0	0.0	0.0
34	171739075159	18.0	0.0	18.0
35	181839062959	18.0	0.0	18.0
36	181839072271	0.0	0.0	0.0
37	181839067107	0.0	0.0	0.0
38	181839070644	16.0	0.0	16.0
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	0.0	0.0
42	191439056120	14.0	0.0	14.0
43	211539067633	11.0	0.0	11.0
44	161539065885	19.0	0.0	19.0
45	211439065846	16.0	0.0	16.0
46	211539071992	16.0	0.0	16.0
47	151539083649	0.0	0.0	0.0

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Anglais technique et terminologie / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	17.0	0.0	17.0
2	181839073590	15.0	0.0	15.0
3	181839063906	0.0	0.0	0.0
4	181439064369	10.0	0.0	10.0
5	171739071347	0.0	0.0	0.0
6	161639071910	17.0	0.0	17.0
7	181839064026	19.0	0.0	19.0
8	181839066405	15.0	0.0	15.0
9	171739066108	16.0	0.0	16.0
10	181839062844	18.0	0.0	18.0
11	181839072274	0.0	0.0	0.0
12	181839068438	17.0	0.0	17.0
13	161639071359	18.0	0.0	18.0
14	171739068696	15.0	0.0	15.0
15	181839063221	18.0	0.0	18.0
16	181839064938	13.0	0.0	13.0
17	171739074369	12.0	0.0	12.0
18	161639077312	0.0	0.0	0.0
19	181839070790	18.0	0.0	18.0
20	171739082293	0.0	0.0	0.0
21	21089053287	14.0	0.0	14.0
22	181839071174	16.0	0.0	16.0
23	161639065819	15.0	0.0	15.0
24	181839065695	18.0	0.0	18.0
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	15.0	0.0	15.0
28	181839064876	16.0	0.0	16.0
29	181839065319	15.0	0.0	15.0
30	181839066512	16.0	0.0	16.0
31	171739081236	10.0	0.0	10.0
32	161639069121	13.0	0.0	13.0
33	181839063711	13.0	0.0	13.0
34	20089057818	0.0	0.0	0.0
35	171739064575	13.0	0.0	13.0
36	181539066921	14.5	0.0	14.5
37	181839063193	17.0	0.0	17.0
38	181839067154	18.0	0.0	18.0
39	171739066278	14.0	0.0	14.0
40	171739073493	0.0	0.0	0.0
41	181839066575	0.0	0.0	0.0
42	211539069995	18.0	0.0	18.0
43	191439056247	15.0	0.0	15.0
44	211539066202	0.0	0.0	0.0
45	161539076282	0.0	0.0	0.0
46	211439056649	17.0	0.0	17.0

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Anglais technique et terminologie / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	10.0	0.0	10.0
2	171739067109	14.0	0.0	14.0
3	171739074382	16.0	0.0	16.0
4	181839064932	15.0	0.0	15.0
5	161639070040	0.0	0.0	0.0
6	171739081356	17.0	0.0	17.0
7	161639071822	0.0	0.0	0.0
8	181839069846	9.5	0.0	9.5
9	171739069093	16.0	0.0	16.0
10	181839070798	0.0	0.0	0.0
11	181839066432	16.0	0.0	16.0
12	20924202004	12.0	0.0	12.0
13	181839066514	18.0	0.0	18.0
14	171739066136	17.0	0.0	17.0
15	181839068228	0.0	0.0	0.0
16	171739064749	0.0	0.0	0.0
17	181839062946	12.0	0.0	12.0
18	161639066778	14.0	0.0	14.0
19	171739071825	0.0	0.0	0.0
20	181839065384	18.0	0.0	18.0
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	16.0	0.0	16.0
24	161639067892	17.0	0.0	17.0
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	14.0	0.0	14.0
28	181839063731	6.0	0.0	6.0
29	181839066273	9.0	0.0	9.0
30	181839070304	13.0	0.0	13.0
31	181839063949	13.0	0.0	13.0
32	181839063046	12.0	0.0	12.0
33	181839066623	16.0	0.0	16.0
34	181839073674	16.0	0.0	16.0
35	181839063294	18.0	0.0	18.0
36	181839065184	8.0	0.0	8.0
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	16.0	0.0	16.0
40	21129049282	16.0	0.0	16.0
41	161539066411	0.0	0.0	0.0
42	161439056117	14.0	0.0	14.0
43	211539079128	0.0	0.0	0.0
44	181339048044	14.0	0.0	14.0
45	201539064865	12.0	0.0	12.0
46	21109042445	15.0	0.0	15.0
47	161539067987	16.0	0.0	16.0
48	211539056984	16.0	0.0	16.0
49	191439056971	13.5	0.0	13.5

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Circuits programmables FPGA / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	9.0	14.0	11.0
3	181839063296	8.5	11.0	9.5
4	171734026249	10.0	10.0	10.0
5	171739066187	11.5	13.75	12.4
6	181839066502	0.0	0.0	0.0
7	181839070813	8.0	15.0	10.8
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	0.0	0.0
10	181839068253	0.0	0.0	0.0
11	181839080042	8.0	14.0	10.4
12	181839064551	8.0	14.0	10.4
13	161639076224	0.0	0.0	0.0
14	2098823221	16.0	16.0	16.0
15	161639078751	0.0	0.0	0.0
16	181839063962	8.0	12.0	9.6
17	18129045722	8.0	0.0	4.8
18	181839063188	7.0	12.0	9.0
19	181839064935	7.0	15.0	10.2
20	171739081848	6.0	12.0	8.4
21	181839070232	9.0	14.0	11.0
22	181839066569	9.0	13.0	10.6
23	20079065601	9.0	13.0	10.6
24	181839063197	10.0	13.0	11.2
25	181839068981	8.0	12.0	9.6
26	181839062905	8.0	12.0	9.6
27	21940801758	14.75	16.0	15.25
28	181839063837	8.0	13.0	10.0
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	11.0	15.5	12.8
34	171739075159	5.0	12.0	7.8
35	181839062959	8.0	13.0	10.0
36	181839072271	0.0	10.0	4.0
37	181839067107	0.0	0.0	0.0
38	181839070644	10.0	15.0	12.0
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	0.0	0.0
42	191439056120	2.0	8.0	4.4
43	211539067633	6.0	14.0	9.2
44	161539065885	0.0	0.0	0.0
45	211439065846	8.0	14.0	10.4
46	211539071992	1.0	14.0	6.2
47	151539083649	10.0	13.0	11.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Circuits programmables FPGA / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	9.0	13.0	10.6
2	181839073590	10.0	12.5	11.0
3	181839063906	0.0	0.0	0.0
4	181439064369	0.0	0.0	0.0
5	171739071347	0.0	0.0	0.0
6	161639071910	6.0	14.0	9.2
7	181839064026	10.0	13.0	11.2
8	181839066405	8.0	13.0	10.0
9	171739066108	2.0	12.0	6.0
10	181839062844	3.0	13.0	7.0
11	181839072274	0.0	0.0	0.0
12	181839068438	8.0	14.0	10.4
13	161639071359	0.0	0.0	0.0
14	171739068696	8.0	10.0	8.8
15	181839063221	3.0	0.0	1.8
16	181839064938	6.0	13.0	8.8
17	171739074369	0.0	0.0	0.0
18	161639077312	0.0	0.0	0.0
19	181839070790	14.0	15.5	14.6
20	171739082293	0.0	0.0	0.0
21	21089053287	5.0	10.0	7.0
22	181839071174	6.0	12.5	8.6
23	161639065819	10.0	14.0	11.6
24	181839065695	8.0	14.0	10.4
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	13.5	15.75	14.4
28	181839064876	7.0	13.0	9.4
29	181839065319	4.0	11.0	6.8
30	181839066512	6.0	12.0	8.4
31	171739081236	0.0	0.0	0.0
32	161639069121	14.0	14.0	14.0
33	181839063711	4.0	12.0	7.2
34	20089057818	0.0	9.0	3.6
35	171739064575	5.5	9.0	6.9
36	181539066921	12.0	12.0	12.0
37	181839063193	8.0	11.0	9.2
38	181839067154	9.0	13.0	10.6
39	171739066278	4.0	0.0	2.4
40	171739073493	0.0	0.0	0.0
41	181839066575	0.0	0.0	0.0
42	211539069995	6.0	13.5	9.0
43	191439056247	10.4	10.4	10.4
44	211539066202	0.0	0.0	0.0
45	161539076282	10.0	14.0	11.6
46	211439056649	6.0	10.0	7.6

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Circuits programmables FPGA / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	5.0	0.0	3.0
2	171739067109	13.0	15.25	13.9
3	171739074382	0.0	0.0	0.0
4	181839064932	10.0	13.0	11.2
5	161639070040	0.0	0.0	0.0
6	171739081356	9.0	13.0	10.6
7	161639071822	0.0	0.0	0.0
8	181839069846	2.0	8.0	4.4
9	171739069093	6.0	11.0	8.0
10	181839070798	2.0	10.0	5.2
11	181839066432	8.0	13.0	10.0
12	20924202004	11.0	14.75	12.5
13	181839066514	12.0	13.0	12.4
14	171739066136	5.0	11.0	7.4
15	181839068228	0.0	0.0	0.0
16	171739064749	0.0	0.0	0.0
17	181839062946	10.0	13.0	11.2
18	161639066778	1.0	0.0	0.6
19	171739071825	0.0	0.0	0.0
20	181839065384	10.0	13.0	11.2
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	0.0	0.0	0.0
24	161639067892	11.2	11.2	11.2
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	2.0	11.0	5.6
28	181839063731	8.0	14.0	10.4
29	181839066273	8.0	13.0	10.0
30	181839070304	11.0	15.25	12.7
31	181839063949	10.0	14.0	11.6
32	181839063046	8.0	14.0	10.4
33	181839066623	6.0	11.0	8.0
34	181839073674	10.0	10.0	10.0
35	181839063294	5.0	10.0	7.0
36	181839065184	12.0	15.25	13.3
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	10.2	10.2	10.2
40	21129049282	8.0	14.0	10.4
41	161539066411	0.0	0.0	0.0
42	161439056117	0.0	9.0	3.6
43	211539079128	0.0	10.75	4.3
44	181339048044	3.0	9.0	5.4
45	201539064865	10.6	10.6	10.6
46	21109042445	8.0	10.0	8.8
47	161539067987	0.0	14.75	5.9
48	211539056984	10.0	10.0	10.0
49	191439056971	11.2	11.2	11.2

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Communications numériques avancées / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	7.0	8.0	7.4
3	181839063296	1.0	11.0	5.0
4	171734026249	10.0	5.0	8.0
5	171739066187	16.0	12.0	14.4
6	181839066502	0.0	0.0	0.0
7	181839070813	8.5	7.0	7.9
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	0.0	0.0
10	181839068253	0.0	0.0	0.0
11	181839080042	5.0	5.0	5.0
12	181839064551	8.0	7.0	7.6
13	161639076224	0.0	0.0	0.0
14	2098823221	14.5	10.0	12.7
15	161639078751	0.0	0.0	0.0
16	181839063962	12.0	7.0	10.0
17	18129045722	1.0	0.0	0.6
18	181839063188	12.0	10.0	11.2
19	181839064935	2.0	10.0	5.2
20	171739081848	3.0	6.0	4.2
21	181839070232	1.0	10.0	4.6
22	181839066569	1.0	7.0	3.4
23	20079065601	7.0	11.0	8.6
24	181839063197	0.0	8.0	3.2
25	181839068981	2.0	6.0	3.6
26	181839062905	1.0	10.0	4.6
27	21940801758	17.0	14.0	15.8
28	181839063837	4.0	0.0	2.4
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	17.0	7.0	13.0
34	171739075159	14.5	10.0	12.7
35	181839062959	5.0	10.0	7.0
36	181839072271	0.0	0.0	0.0
37	181839067107	2.0	4.0	2.8
38	181839070644	11.5	9.0	10.5
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	0.0	0.0
42	191439056120	4.0	4.0	4.0
43	211539067633	5.0	10.0	7.0
44	161539065885	0.0	0.0	0.0
45	211439065846	3.0	11.0	6.2
46	211539071992	6.5	11.0	8.3
47	151539083649	14.5	14.0	14.3

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Communications numériques avancées / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	5.0	10.0	7.0
2	181839073590	12.0	11.0	11.6
3	181839063906	0.0	0.0	0.0
4	181439064369	0.0	0.0	0.0
5	171739071347	0.0	0.0	0.0
6	161639071910	1.0	10.0	4.6
7	181839064026	10.0	7.0	8.8
8	181839066405	3.0	5.0	3.8
9	171739066108	7.0	10.0	8.2
10	181839062844	14.0	9.0	12.0
11	181839072274	0.0	0.0	0.0
12	181839068438	2.0	7.0	4.0
13	161639071359	0.0	0.0	0.0
14	171739068696	7.0	7.0	7.0
15	181839063221	7.0	7.0	7.0
16	181839064938	5.5	8.0	6.5
17	171739074369	0.0	0.0	0.0
18	161639077312	0.0	0.0	0.0
19	181839070790	13.0	7.0	10.6
20	171739082293	0.0	0.0	0.0
21	21089053287	1.0	4.0	2.2
22	181839071174	1.0	6.0	3.0
23	161639065819	1.0	7.0	3.4
24	181839065695	2.0	6.0	3.6
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	12.0	10.0	11.2
28	181839064876	5.5	9.0	6.9
29	181839065319	4.5	9.0	6.3
30	181839066512	12.0	7.0	10.0
31	171739081236	0.0	0.0	0.0
32	161639069121	0.0	0.0	0.0
33	181839063711	1.0	11.0	5.0
34	20089057818	0.0	6.0	2.4
35	171739064575	6.0	6.0	6.0
36	181539066921	8.0	8.0	8.0
37	181839063193	1.0	10.0	4.6
38	181839067154	7.0	9.0	7.8
39	171739066278	2.0	0.0	1.2
40	171739073493	0.0	0.0	0.0
41	181839066575	0.0	0.0	0.0
42	211539069995	4.0	9.0	6.0
43	191439056247	0.0	0.0	0.0
44	211539066202	0.0	0.0	0.0
45	161539076282	3.0	6.0	4.2
46	211439056649	3.0	0.0	1.8

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Communications numériques avancées / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	1.0	11.0	5.0
2	171739067109	13.0	10.0	11.8
3	171739074382	0.0	0.0	0.0
4	181839064932	13.0	10.0	11.8
5	161639070040	0.0	0.0	0.0
6	171739081356	14.5	15.0	14.7
7	161639071822	0.0	0.0	0.0
8	181839069846	3.0	3.0	3.0
9	171739069093	4.0	12.0	7.2
10	181839070798	1.0	7.0	3.4
11	181839066432	8.5	10.0	9.1
12	20924202004	7.0	11.0	8.6
13	181839066514	19.0	15.0	17.4
14	171739066136	18.0	13.0	16.0
15	181839068228	0.0	0.0	0.0
16	171739064749	0.0	0.0	0.0
17	181839062946	12.0	10.0	11.2
18	161639066778	1.0	0.0	0.6
19	171739071825	0.0	0.0	0.0
20	181839065384	14.0	14.0	14.0
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	1.0	0.0	0.6
24	161639067892	0.0	0.0	0.0
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	1.0	7.0	3.4
28	181839063731	13.0	10.0	11.8
29	181839066273	12.0	7.0	10.0
30	181839070304	12.0	10.0	11.2
31	181839063949	11.0	8.0	9.8
32	181839063046	11.0	10.0	10.6
33	181839066623	14.0	9.0	12.0
34	181839073674	10.5	10.0	10.3
35	181839063294	11.0	7.0	9.4
36	181839065184	6.0	6.0	6.0
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	1.0	10.0	4.6
40	21129049282	2.0	10.0	5.2
41	161539066411	0.0	0.0	0.0
42	161439056117	1.0	0.0	0.6
43	211539079128	0.0	10.0	4.0
44	181339048044	16.0	10.0	13.6
45	201539064865	1.0	10.0	4.6
46	21109042445	8.0	8.0	8.0
47	161539067987	1.0	4.0	2.2
48	211539056984	9.0	8.0	8.6
49	191439056971	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Compa.Electrotechnique / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	2.0	0.0	2.0
3	181839063296	1.0	0.0	1.0
4	171734026249	5.0	0.0	5.0
5	171739066187	10.0	0.0	10.0
6	181839066502	0.0	0.0	0.0
7	181839070813	1.0	0.0	1.0
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	0.0	0.0
10	181839068253	0.0	0.0	0.0
11	181839080042	2.0	0.0	2.0
12	181839064551	5.0	0.0	5.0
13	161639076224	0.0	0.0	0.0
14	2098823221	15.0	0.0	15.0
15	161639078751	0.0	0.0	0.0
16	181839063962	2.0	0.0	2.0
17	18129045722	0.0	0.0	0.0
18	181839063188	5.0	0.0	5.0
19	181839064935	5.0	0.0	5.0
20	171739081848	1.0	0.0	1.0
21	181839070232	1.0	0.0	1.0
22	181839066569	2.0	0.0	2.0
23	20079065601	1.0	0.0	1.0
24	181839063197	0.0	0.0	0.0
25	181839068981	1.0	0.0	1.0
26	181839062905	1.0	0.0	1.0
27	21940801758	16.0	0.0	16.0
28	181839063837	1.0	0.0	1.0
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	2.0	0.0	2.0
34	171739075159	11.0	0.0	11.0
35	181839062959	3.0	0.0	3.0
36	181839072271	0.0	0.0	0.0
37	181839067107	0.0	0.0	0.0
38	181839070644	13.0	0.0	13.0
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	0.0	0.0
42	191439056120	5.0	0.0	5.0
43	211539067633	10.0	0.0	10.0
44	161539065885	0.0	0.0	0.0
45	211439065846	8.0	0.0	8.0
46	211539071992	10.0	0.0	10.0
47	151539083649	10.0	0.0	10.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Compa.Electrotechnique / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	3.0	0.0	3.0
2	181839073590	10.0	0.0	10.0
3	181839063906	0.0	0.0	0.0
4	181439064369	0.0	0.0	0.0
5	171739071347	0.0	0.0	0.0
6	161639071910	8.0	0.0	8.0
7	181839064026	1.0	0.0	1.0
8	181839066405	3.0	0.0	3.0
9	171739066108	2.0	0.0	2.0
10	181839062844	2.0	0.0	2.0
11	181839072274	0.0	0.0	0.0
12	181839068438	3.0	0.0	3.0
13	161639071359	0.0	0.0	0.0
14	171739068696	2.0	0.0	2.0
15	181839063221	1.0	0.0	1.0
16	181839064938	1.0	0.0	1.0
17	171739074369	0.0	0.0	0.0
18	161639077312	0.0	0.0	0.0
19	181839070790	12.0	0.0	12.0
20	171739082293	0.0	0.0	0.0
21	21089053287	2.0	0.0	2.0
22	181839071174	1.0	0.0	1.0
23	161639065819	8.0	0.0	8.0
24	181839065695	2.0	0.0	2.0
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	13.0	0.0	13.0
28	181839064876	5.0	0.0	5.0
29	181839065319	1.0	0.0	1.0
30	181839066512	8.0	0.0	8.0
31	171739081236	10.0	0.0	10.0
32	161639069121	0.0	0.0	0.0
33	181839063711	10.0	0.0	10.0
34	20089057818	0.0	0.0	0.0
35	171739064575	1.0	0.0	1.0
36	181539066921	10.0	0.0	10.0
37	181839063193	1.0	0.0	1.0
38	181839067154	5.0	0.0	5.0
39	171739066278	5.0	0.0	5.0
40	171739073493	0.0	0.0	0.0
41	181839066575	0.0	0.0	0.0
42	211539069995	1.0	0.0	1.0
43	191439056247	0.0	0.0	0.0
44	211539066202	0.0	0.0	0.0
45	161539076282	10.0	0.0	10.0
46	211439056649	3.0	0.0	3.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Compa.Electrotechnique / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	0.0	0.0	0.0
2	171739067109	10.0	0.0	10.0
3	171739074382	0.0	0.0	0.0
4	181839064932	10.0	0.0	10.0
5	161639070040	10.0	0.0	10.0
6	171739081356	5.0	0.0	5.0
7	161639071822	0.0	0.0	0.0
8	181839069846	1.0	0.0	1.0
9	171739069093	5.0	0.0	5.0
10	181839070798	10.0	0.0	10.0
11	181839066432	8.0	0.0	8.0
12	20924202004	10.0	0.0	10.0
13	181839066514	12.0	0.0	12.0
14	171739066136	10.0	0.0	10.0
15	181839068228	0.0	0.0	0.0
16	171739064749	12.0	0.0	12.0
17	181839062946	10.0	0.0	10.0
18	161639066778	0.0	0.0	0.0
19	171739071825	0.0	0.0	0.0
20	181839065384	10.0	0.0	10.0
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	0.0	0.0	0.0
24	161639067892	11.0	0.0	11.0
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	1.0	0.0	1.0
28	181839063731	5.0	0.0	5.0
29	181839066273	7.0	0.0	7.0
30	181839070304	10.0	0.0	10.0
31	181839063949	10.0	0.0	10.0
32	181839063046	5.0	0.0	5.0
33	181839066623	10.0	0.0	10.0
34	181839073674	0.0	0.0	0.0
35	181839063294	10.0	0.0	10.0
36	181839065184	5.0	0.0	5.0
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	2.0	0.0	2.0
40	21129049282	3.0	0.0	3.0
41	161539066411	0.0	0.0	0.0
42	161439056117	0.0	0.0	0.0
43	211539079128	3.0	0.0	3.0
44	181339048044	10.0	0.0	10.0
45	201539064865	10.0	0.0	10.0
46	21109042445	6.0	0.0	6.0
47	161539067987	1.0	0.0	1.0
48	211539056984	2.0	0.0	2.0
49	191439056971	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Normes et Protocoles / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	14.0	0.0	14.0
3	181839063296	14.0	0.0	14.0
4	171734026249	13.0	0.0	13.0
5	171739066187	18.0	0.0	18.0
6	181839066502	0.0	0.0	0.0
7	181839070813	3.5	0.0	3.5
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	0.0	0.0
10	181839068253	0.0	0.0	0.0
11	181839080042	16.0	0.0	16.0
12	181839064551	12.5	0.0	12.5
13	161639076224	0.0	0.0	0.0
14	2098823221	14.0	0.0	14.0
15	161639078751	0.0	0.0	0.0
16	181839063962	13.0	0.0	13.0
17	18129045722	0.0	0.0	0.0
18	181839063188	17.5	0.0	17.5
19	181839064935	16.0	0.0	16.0
20	171739081848	12.5	0.0	12.5
21	181839070232	14.0	0.0	14.0
22	181839066569	15.5	0.0	15.5
23	20079065601	15.5	0.0	15.5
24	181839063197	15.0	0.0	15.0
25	181839068981	14.0	0.0	14.0
26	181839062905	14.0	0.0	14.0
27	21940801758	14.0	0.0	14.0
28	181839063837	16.0	0.0	16.0
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	0.0	0.0	0.0
34	171739075159	12.5	0.0	12.5
35	181839062959	18.0	0.0	18.0
36	181839072271	0.0	0.0	0.0
37	181839067107	0.0	0.0	0.0
38	181839070644	16.0	0.0	16.0
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	0.0	0.0
42	191439056120	16.0	0.0	16.0
43	211539067633	4.0	0.0	4.0
44	161539065885	0.0	0.0	0.0
45	211439065846	16.0	0.0	16.0
46	211539071992	0.0	0.0	0.0
47	151539083649	12.0	0.0	12.0

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Normes et Protocoles / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	10.0	0.0	10.0
2	181839073590	9.5	0.0	9.5
3	181839063906	0.0	0.0	0.0
4	181439064369	10.25	0.0	10.25
5	171739071347	0.0	0.0	0.0
6	161639071910	16.0	0.0	16.0
7	181839064026	12.0	0.0	12.0
8	181839066405	16.0	0.0	16.0
9	171739066108	13.0	0.0	13.0
10	181839062844	12.5	0.0	12.5
11	181839072274	0.0	0.0	0.0
12	181839068438	8.0	0.0	8.0
13	161639071359	0.0	0.0	0.0
14	171739068696	5.5	0.0	5.5
15	181839063221	14.0	0.0	14.0
16	181839064938	13.0	0.0	13.0
17	171739074369	10.0	0.0	10.0
18	161639077312	0.0	0.0	0.0
19	181839070790	8.0	0.0	8.0
20	171739082293	0.0	0.0	0.0
21	21089053287	13.5	0.0	13.5
22	181839071174	3.0	0.0	3.0
23	161639065819	12.5	0.0	12.5
24	181839065695	11.0	0.0	11.0
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	16.0	0.0	16.0
28	181839064876	14.0	0.0	14.0
29	181839065319	6.0	0.0	6.0
30	181839066512	15.0	0.0	15.0
31	171739081236	0.0	0.0	0.0
32	161639069121	0.0	0.0	0.0
33	181839063711	8.0	0.0	8.0
34	20089057818	0.0	0.0	0.0
35	171739064575	11.0	0.0	11.0
36	181539066921	8.0	0.0	8.0
37	181839063193	11.5	0.0	11.5
38	181839067154	18.0	0.0	18.0
39	171739066278	12.0	0.0	12.0
40	171739073493	0.0	0.0	0.0
41	181839066575	0.0	0.0	0.0
42	211539069995	16.0	0.0	16.0
43	191439056247	10.0	0.0	10.0
44	211539066202	0.0	0.0	0.0
45	161539076282	6.0	0.0	6.0
46	211439056649	8.0	0.0	8.0

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Normes et Protocoles / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	0.0	0.0	0.0
2	171739067109	19.0	0.0	19.0
3	171739074382	0.0	0.0	0.0
4	181839064932	18.0	0.0	18.0
5	161639070040	0.0	0.0	0.0
6	171739081356	20.0	0.0	20.0
7	161639071822	0.0	0.0	0.0
8	181839069846	3.0	0.0	3.0
9	171739069093	12.0	0.0	12.0
10	181839070798	3.5	0.0	3.5
11	181839066432	16.0	0.0	16.0
12	20924202004	15.0	0.0	15.0
13	181839066514	19.5	0.0	19.5
14	171739066136	13.5	0.0	13.5
15	181839068228	0.0	0.0	0.0
16	171739064749	0.0	0.0	0.0
17	181839062946	20.0	0.0	20.0
18	161639066778	2.0	0.0	2.0
19	171739071825	0.0	0.0	0.0
20	181839065384	20.0	0.0	20.0
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	0.0	0.0	0.0
24	161639067892	0.0	0.0	0.0
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	11.5	0.0	11.5
28	181839063731	12.0	0.0	12.0
29	181839066273	15.5	0.0	15.5
30	181839070304	14.0	0.0	14.0
31	181839063949	16.0	0.0	16.0
32	181839063046	14.0	0.0	14.0
33	181839066623	10.0	0.0	10.0
34	181839073674	13.0	0.0	13.0
35	181839063294	16.0	0.0	16.0
36	181839065184	0.0	0.0	0.0
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	10.5	0.0	10.5
40	21129049282	11.0	0.0	11.0
41	161539066411	0.0	0.0	0.0
42	161439056117	0.0	0.0	0.0
43	211539079128	0.0	0.0	0.0
44	181339048044	10.0	0.0	10.0
45	201539064865	8.0	0.0	8.0
46	21109042445	13.5	0.0	13.5
47	161539067987	3.0	0.0	3.0
48	211539056984	14.0	0.0	14.0
49	191439056971	0.0	0.0	0.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Programmation orientée objets en C++ / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	18.0	20.0	18.8
3	181839063296	14.0	13.0	13.6
4	171734026249	10.0	12.0	10.8
5	171739066187	17.0	17.0	17.0
6	181839066502	0.0	0.0	0.0
7	181839070813	10.0	15.0	12.0
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	3.0	1.2
10	181839068253	0.0	0.0	0.0
11	181839080042	15.0	16.0	15.4
12	181839064551	14.5	18.5	16.1
13	161639076224	0.0	0.0	0.0
14	2098823221	9.0	17.0	12.2
15	161639078751	0.0	0.0	0.0
16	181839063962	12.0	11.0	11.6
17	18129045722	14.0	1.5	9.0
18	181839063188	11.0	14.0	12.2
19	181839064935	12.5	14.0	13.1
20	171739081848	10.0	11.5	10.6
21	181839070232	13.0	14.5	13.6
22	181839066569	15.0	12.0	13.8
23	20079065601	14.5	18.5	16.1
24	181839063197	15.5	15.5	15.5
25	181839068981	12.0	10.0	11.2
26	181839062905	12.0	11.5	11.8
27	21940801758	17.0	19.0	17.8
28	181839063837	14.5	12.5	13.7
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	0.0	19.0	7.6
34	171739075159	7.0	13.0	9.4
35	181839062959	11.5	16.5	13.5
36	181839072271	0.0	5.0	2.0
37	181839067107	0.0	11.0	4.4
38	181839070644	14.0	16.0	14.8
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	12.29	12.29	12.29
42	191439056120	14.0	10.0	12.4
43	211539067633	14.0	17.5	15.4
44	161539065885	0.0	2.0	0.8
45	211439065846	14.0	14.0	14.0
46	211539071992	10.0	16.0	12.4
47	151539083649	18.0	17.0	17.6

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Programmation orientée objets en C++ / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	12.0	14.0	12.8
2	181839073590	16.5	19.5	17.7
3	181839063906	0.0	0.0	0.0
4	181439064369	7.8	7.8	7.8
5	171739071347	0.0	0.0	0.0
6	161639071910	8.0	17.5	11.8
7	181839064026	9.0	18.5	12.8
8	181839066405	9.0	11.0	9.8
9	171739066108	11.0	18.0	13.8
10	181839062844	10.0	15.0	12.0
11	181839072274	0.0	0.0	0.0
12	181839068438	8.5	13.5	10.5
13	161639071359	0.0	0.0	0.0
14	171739068696	10.0	15.5	12.2
15	181839063221	9.0	8.0	8.6
16	181839064938	8.0	14.0	10.4
17	171739074369	11.64	11.64	11.64
18	161639077312	0.0	0.0	0.0
19	181839070790	16.0	20.0	17.6
20	171739082293	0.0	0.0	0.0
21	21089053287	9.0	16.0	11.8
22	181839071174	14.0	17.0	15.2
23	161639065819	11.5	16.0	13.3
24	181839065695	11.0	12.0	11.4
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	12.0	17.5	14.2
28	181839064876	17.0	17.5	17.2
29	181839065319	10.0	13.0	11.2
30	181839066512	10.0	15.0	12.0
31	171739081236	12.97	12.97	12.97
32	161639069121	9.7	9.7	9.7
33	181839063711	7.0	17.0	11.0
34	20089057818	0.0	5.5	2.2
35	171739064575	9.0	11.0	9.8
36	181539066921	7.4	7.4	7.4
37	181839063193	9.0	14.0	11.0
38	181839067154	16.0	13.5	15.0
39	171739066278	6.0	1.5	4.2
40	171739073493	0.0	0.0	0.0
41	181839066575	0.0	0.0	0.0
42	211539069995	10.5	14.0	11.9
43	191439056247	11.0	11.0	11.0
44	211539066202	0.0	0.0	0.0
45	161539076282	10.0	18.5	13.4
46	211439056649	10.0	11.0	10.4

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Programmation orientée objets en C++ / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	3.0	0.0	1.8
2	171739067109	10.0	17.0	12.8
3	171739074382	13.1	13.1	13.1
4	181839064932	13.0	18.0	15.0
5	161639070040	13.31	13.31	13.31
6	171739081356	13.5	16.5	14.7
7	161639071822	0.0	0.0	0.0
8	181839069846	8.0	2.0	5.6
9	171739069093	9.0	13.0	10.6
10	181839070798	8.0	8.0	8.0
11	181839066432	8.0	13.0	10.0
12	20924202004	11.0	12.0	11.4
13	181839066514	15.0	20.0	17.0
14	171739066136	11.5	14.0	12.5
15	181839068228	0.0	0.0	0.0
16	171739064749	0.0	0.0	0.0
17	181839062946	9.0	15.0	11.4
18	161639066778	9.0	0.0	5.4
19	171739071825	0.0	1.5	0.6
20	181839065384	12.0	16.0	13.6
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	5.5	0.0	3.3
24	161639067892	11.79	11.79	11.79
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	10.5	15.0	12.3
28	181839063731	11.0	12.5	11.6
29	181839066273	10.0	10.0	10.0
30	181839070304	8.0	18.0	12.0
31	181839063949	9.0	15.0	11.4
32	181839063046	9.0	13.0	10.6
33	181839066623	11.0	15.0	12.6
34	181839073674	9.0	16.0	11.8
35	181839063294	12.5	10.0	11.5
36	181839065184	10.0	17.5	13.0
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	10.0	10.0	10.0
40	21129049282	9.0	11.0	9.8
41	161539066411	0.0	0.0	0.0
42	161439056117	0.0	10.0	4.0
43	211539079128	0.0	15.0	6.0
44	181339048044	9.0	11.0	9.8
45	201539064865	5.0	0.0	3.0
46	21109042445	11.0	17.0	13.4
47	161539067987	10.19	10.19	10.19
48	211539056984	9.0	16.0	11.8
49	191439056971	9.1	9.1	9.1

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Radiocommunication / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	8.0	12.0	9.6
3	181839063296	12.0	10.0	11.2
4	171734026249	8.0	8.0	8.0
5	171739066187	16.0	15.0	15.6
6	181839066502	0.0	0.0	0.0
7	181839070813	10.0	6.0	8.4
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	7.0	2.8
10	181839068253	0.0	0.0	0.0
11	181839080042	14.0	10.0	12.4
12	181839064551	14.5	14.5	14.5
13	161639076224	0.0	0.0	0.0
14	2098823221	7.0	13.0	9.4
15	161639078751	0.0	0.0	0.0
16	181839063962	12.0	10.0	11.2
17	18129045722	10.5	0.0	6.3
18	181839063188	7.5	7.0	7.3
19	181839064935	6.5	10.0	7.9
20	171739081848	13.0	10.0	11.8
21	181839070232	12.0	10.0	11.2
22	181839066569	10.0	10.0	10.0
23	20079065601	8.0	8.5	8.2
24	181839063197	11.0	11.5	11.2
25	181839068981	10.0	5.0	8.0
26	181839062905	10.5	10.0	10.3
27	21940801758	15.5	16.5	15.9
28	181839063837	12.0	10.0	11.2
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	17.0	13.0	15.4
34	171739075159	8.0	8.0	8.0
35	181839062959	8.0	8.0	8.0
36	181839072271	0.0	0.0	0.0
37	181839067107	0.0	8.0	3.2
38	181839070644	16.0	11.5	14.2
39	171739065369	0.0	7.0	2.8
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	0.0	0.0
42	191439056120	10.0	10.0	10.0
43	211539067633	6.0	8.0	6.8
44	161539065885	0.0	0.0	0.0
45	211439065846	12.0	11.5	11.8
46	211539071992	5.0	0.0	3.0
47	151539083649	8.0	0.0	4.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Radiocommunication / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	5.0	7.0	5.8
2	181839073590	9.0	14.5	11.2
3	181839063906	0.0	0.0	0.0
4	181439064369	0.0	0.0	0.0
5	171739071347	0.0	0.0	0.0
6	161639071910	14.0	10.0	12.4
7	181839064026	10.0	10.0	10.0
8	181839066405	10.5	11.0	10.7
9	171739066108	10.5	10.0	10.3
10	181839062844	10.0	10.0	10.0
11	181839072274	0.0	0.0	0.0
12	181839068438	5.0	7.0	5.8
13	161639071359	0.0	0.0	0.0
14	171739068696	10.0	10.0	10.0
15	181839063221	7.0	7.0	7.0
16	181839064938	6.0	10.0	7.6
17	171739074369	0.0	0.0	0.0
18	161639077312	0.0	0.0	0.0
19	181839070790	14.0	14.0	14.0
20	171739082293	0.0	0.0	0.0
21	21089053287	3.0	7.0	4.6
22	181839071174	0.5	7.0	3.1
23	161639065819	0.5	7.0	3.1
24	181839065695	10.0	10.0	10.0
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	8.0	14.0	10.4
28	181839064876	7.0	12.0	9.0
29	181839065319	6.5	7.0	6.7
30	181839066512	12.5	11.5	12.1
31	171739081236	0.0	0.0	0.0
32	161639069121	0.0	0.0	0.0
33	181839063711	4.0	8.0	5.6
34	20089057818	0.0	7.0	2.8
35	171739064575	16.0	7.0	12.4
36	181539066921	5.8	5.8	5.8
37	181839063193	5.0	10.0	7.0
38	181839067154	6.0	8.0	6.8
39	171739066278	6.0	7.0	6.4
40	171739073493	0.0	0.0	0.0
41	181839066575	0.0	0.0	0.0
42	211539069995	6.0	7.0	6.4
43	191439056247	0.0	0.0	0.0
44	211539066202	0.0	0.0	0.0
45	161539076282	1.0	0.0	0.6
46	211439056649	0.5	4.0	1.9

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Radiocommunication / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	4.0	7.0	5.2
2	171739067109	10.0	10.0	10.0
3	171739074382	0.0	0.0	0.0
4	181839064932	12.0	12.5	12.2
5	161639070040	0.0	0.0	0.0
6	171739081356	15.0	17.5	16.0
7	161639071822	0.0	0.0	0.0
8	181839069846	3.0	6.0	4.2
9	171739069093	8.0	10.0	8.8
10	181839070798	5.0	7.0	5.8
11	181839066432	12.0	10.0	11.2
12	20924202004	5.0	8.0	6.2
13	181839066514	20.0	17.0	18.8
14	171739066136	12.0	12.5	12.2
15	181839068228	0.0	0.0	0.0
16	171739064749	0.0	0.0	0.0
17	181839062946	12.0	10.0	11.2
18	161639066778	0.5	0.0	0.3
19	171739071825	0.0	0.0	0.0
20	181839065384	16.5	14.0	15.5
21	181839072331	12.0	0.0	7.2
22	171739065200	0.0	0.0	0.0
23	181839064460	0.5	0.0	0.3
24	161639067892	0.0	0.0	0.0
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	2.0	5.5	3.4
28	181839063731	8.0	8.0	8.0
29	181839066273	2.0	10.0	5.2
30	181839070304	13.5	10.5	12.3
31	181839063949	11.0	10.0	10.6
32	181839063046	5.0	5.0	5.0
33	181839066623	13.0	10.0	11.8
34	181839073674	10.0	10.0	10.0
35	181839063294	6.0	7.0	6.4
36	181839065184	6.0	7.0	6.4
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	0.5	8.0	3.5
40	21129049282	1.0	8.0	3.8
41	161539066411	0.0	0.0	0.0
42	161439056117	0.0	0.0	0.0
43	211539079128	0.0	14.0	5.6
44	181339048044	14.0	14.0	14.0
45	201539064865	0.5	0.0	0.3
46	21109042445	7.0	10.0	8.2
47	161539067987	1.0	0.0	0.6
48	211539056984	2.0	8.0	4.4
49	191439056971	11.3	11.3	11.3

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Signaux aléatoires et Processus stochastiques / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	12.0	4.8
2	181839053419	15.0	12.0	13.8
3	181839063296	15.0	16.0	15.4
4	171734026249	15.0	12.0	13.8
5	171739066187	20.0	16.0	18.4
6	181839066502	0.0	12.0	4.8
7	181839070813	5.0	12.0	7.8
8	161639071229	0.0	12.0	4.8
9	161639073179	0.0	12.0	4.8
10	181839068253	0.0	12.0	4.8
11	181839080042	18.0	12.0	15.6
12	181839064551	15.0	12.0	13.8
13	161639076224	0.0	12.0	4.8
14	2098823221	20.0	16.0	18.4
15	161639078751	0.0	12.0	4.8
16	181839063962	15.0	16.0	15.4
17	18129045722	10.0	12.0	10.8
18	181839063188	15.0	12.0	13.8
19	181839064935	15.0	16.0	15.4
20	171739081848	10.0	12.0	10.8
21	181839070232	10.0	16.0	12.4
22	181839066569	12.0	16.0	13.6
23	20079065601	0.0	16.0	6.4
24	181839063197	12.0	12.0	12.0
25	181839068981	5.0	16.0	9.4
26	181839062905	10.0	12.0	10.8
27	21940801758	20.0	16.0	18.4
28	181839063837	15.0	12.0	13.8
29	171739067340	0.0	12.0	4.8
30	181839066354	0.0	12.0	4.8
31	171739074254	0.0	12.0	4.8
32	181839072342	0.0	12.0	4.8
33	181839065395	15.0	16.0	15.4
34	171739075159	15.0	12.0	13.8
35	181839062959	12.0	12.0	12.0
36	181839072271	0.0	12.0	4.8
37	181839067107	10.0	12.0	10.8
38	181839070644	15.0	16.0	15.4
39	171739065369	0.0	12.0	4.8
40	20129045640	0.0	12.0	4.8
41	161439062527	0.0	12.0	4.8
42	191439056120	15.0	16.0	15.4
43	211539067633	15.0	12.0	13.8
44	161539065885	15.0	12.0	13.8
45	211439065846	0.0	12.0	4.8
46	211539071992	15.0	12.0	13.8
47	151539083649	12.0	12.0	12.0

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Signaux aléatoires et Processus stochastiques / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	0.0	16.0	6.4
2	181839073590	15.0	12.0	13.8
3	181839063906	0.0	12.0	4.8
4	181439064369	13.4	13.4	13.4
5	171739071347	0.0	12.0	4.8
6	161639071910	12.0	12.0	12.0
7	181839064026	15.0	16.0	15.4
8	181839066405	12.0	12.0	12.0
9	171739066108	15.0	12.0	13.8
10	181839062844	15.0	12.0	13.8
11	181839072274	0.0	12.0	4.8
12	181839068438	18.0	12.0	15.6
13	161639071359	0.0	12.0	4.8
14	171739068696	10.0	12.0	10.8
15	181839063221	10.0	12.0	10.8
16	181839064938	15.0	16.0	15.4
17	171739074369	0.0	12.0	4.8
18	161639077312	0.0	12.0	4.8
19	181839070790	15.0	12.0	13.8
20	171739082293	0.0	12.0	4.8
21	21089053287	15.0	12.0	13.8
22	181839071174	15.0	16.0	15.4
23	161639065819	15.0	12.0	13.8
24	181839065695	12.0	16.0	13.6
25	181839062925	0.0	12.0	4.8
26	161639077178	0.0	12.0	4.8
27	20922006034	20.0	16.0	18.4
28	181839064876	15.0	16.0	15.4
29	181839065319	15.0	12.0	13.8
30	181839066512	15.0	12.0	13.8
31	171739081236	0.0	12.0	4.8
32	161639069121	0.0	12.0	4.8
33	181839063711	10.0	12.0	10.8
34	20089057818	0.0	12.0	4.8
35	171739064575	12.0	12.0	12.0
36	181539066921	12.0	12.0	12.0
37	181839063193	15.0	16.0	15.4
38	181839067154	15.0	12.0	13.8
39	171739066278	5.0	12.0	7.8
40	171739073493	0.0	12.0	4.8
41	181839066575	0.0	12.0	4.8
42	211539069995	15.0	12.0	13.8
43	191439056247	0.0	12.0	4.8
44	211539066202	0.0	12.0	4.8
45	161539076282	15.0	12.0	13.8
46	211439056649	10.0	12.0	10.8

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: Signaux aléatoires et Processus stochastiques / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	10.0	12.0	10.8
2	171739067109	15.0	16.0	15.4
3	171739074382	0.0	12.0	4.8
4	181839064932	15.0	16.0	15.4
5	161639070040	0.0	12.0	4.8
6	171739081356	15.0	12.0	13.8
7	161639071822	0.0	12.0	4.8
8	181839069846	15.0	12.0	13.8
9	171739069093	15.0	12.0	13.8
10	181839070798	12.0	12.0	12.0
11	181839066432	15.0	16.0	15.4
12	20924202004	15.0	16.0	15.4
13	181839066514	0.0	16.0	6.4
14	171739066136	20.0	16.0	18.4
15	181839068228	0.0	12.0	4.8
16	171739064749	0.0	12.0	4.8
17	181839062946	15.0	16.0	15.4
18	161639066778	5.0	12.0	7.8
19	171739071825	0.0	12.0	4.8
20	181839065384	0.0	16.0	6.4
21	181839072331	15.0	12.0	13.8
22	171739065200	0.0	12.0	4.8
23	181839064460	10.0	12.0	10.8
24	161639067892	0.0	12.0	4.8
25	181839062877	0.0	12.0	4.8
26	141439047300	0.0	12.0	4.8
27	171739073684	10.0	12.0	10.8
28	181839063731	12.0	16.0	13.6
29	181839066273	12.0	12.0	12.0
30	181839070304	15.0	16.0	15.4
31	181839063949	15.0	12.0	13.8
32	181839063046	15.0	16.0	15.4
33	181839066623	15.0	16.0	15.4
34	181839073674	15.0	16.0	15.4
35	181839063294	10.0	12.0	10.8
36	181839065184	12.0	16.0	13.6
37	171739066639	0.0	12.0	4.8
38	181839063194	0.0	12.0	4.8
39	171739083868	12.0	16.0	13.6
40	21129049282	15.0	12.0	13.8
41	161539066411	0.0	12.0	4.8
42	161439056117	10.0	12.0	10.8
43	211539079128	15.0	16.0	15.4
44	181339048044	15.0	16.0	15.4
45	201539064865	10.0	12.0	10.8
46	21109042445	12.0	12.0	12.0
47	161539067987	0.0	12.0	4.8
48	211539056984	0.0	12.0	4.8
49	191439056971	0.0	12.0	4.8

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Circuits programmables FPGA / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	0.0	17.0	17.0
3	181839063296	0.0	14.5	14.5
4	171734026249	0.0	15.5	15.5
5	171739066187	0.0	19.0	19.0
6	181839066502	0.0	0.0	0.0
7	181839070813	0.0	10.0	10.0
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	10.0	10.0
10	181839068253	0.0	0.0	0.0
11	181839080042	0.0	16.5	16.5
12	181839064551	0.0	10.0	10.0
13	161639076224	0.0	0.0	0.0
14	2098823221	0.0	19.0	19.0
15	161639078751	0.0	0.0	0.0
16	181839063962	0.0	10.0	10.0
17	18129045722	0.0	0.0	0.0
18	181839063188	0.0	10.0	10.0
19	181839064935	0.0	14.5	14.5
20	171739081848	0.0	12.0	12.0
21	181839070232	0.0	14.0	14.0
22	181839066569	0.0	13.0	13.0
23	20079065601	0.0	17.5	17.5
24	181839063197	0.0	16.0	16.0
25	181839068981	0.0	10.0	10.0
26	181839062905	0.0	10.0	10.0
27	21940801758	0.0	18.5	18.5
28	181839063837	0.0	16.0	16.0
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	0.0	14.0	14.0
34	171739075159	0.0	15.0	15.0
35	181839062959	0.0	10.0	10.0
36	181839072271	0.0	0.0	0.0
37	181839067107	0.0	12.0	12.0
38	181839070644	0.0	12.5	12.5
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	0.0	0.0
42	191439056120	0.0	15.0	15.0
43	211539067633	0.0	16.0	16.0
44	161539065885	12.0	12.0	12.0
45	211439065846	0.0	16.0	16.0
46	211539071992	0.0	14.0	14.0
47	151539083649	0.0	17.5	17.5

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Circuits programmables FPGA / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	0.0	13.0	13.0
2	181839073590	0.0	14.0	14.0
3	181839063906	0.0	0.0	0.0
4	181439064369	14.5	14.5	14.5
5	171739071347	0.0	0.0	0.0
6	161639071910	0.0	15.5	15.5
7	181839064026	0.0	10.0	10.0
8	181839066405	0.0	16.5	16.5
9	171739066108	0.0	14.5	14.5
10	181839062844	0.0	16.0	16.0
11	181839072274	0.0	0.0	0.0
12	181839068438	0.0	18.0	18.0
13	161639071359	0.0	0.0	0.0
14	171739068696	0.0	16.0	16.0
15	181839063221	0.0	14.5	14.5
16	181839064938	0.0	14.5	14.5
17	171739074369	10.0	10.0	10.0
18	161639077312	0.0	0.0	0.0
19	181839070790	0.0	16.0	16.0
20	171739082293	0.0	0.0	0.0
21	21089053287	0.0	15.5	15.5
22	181839071174	0.0	15.0	15.0
23	161639065819	0.0	14.5	14.5
24	181839065695	0.0	14.5	14.5
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	0.0	17.0	17.0
28	181839064876	0.0	13.5	13.5
29	181839065319	0.0	11.5	11.5
30	181839066512	0.0	15.0	15.0
31	171739081236	15.0	15.0	15.0
32	161639069121	10.0	10.0	10.0
33	181839063711	0.0	15.0	15.0
34	20089057818	0.0	10.0	10.0
35	171739064575	0.0	14.5	14.5
36	181539066921	17.0	17.0	17.0
37	181839063193	0.0	17.0	17.0
38	181839067154	0.0	14.5	14.5
39	171739066278	0.0	10.0	10.0
40	171739073493	11.0	11.0	11.0
41	181839066575	0.0	0.0	0.0
42	211539069995	0.0	15.0	15.0
43	191439056247	14.75	14.75	14.75
44	211539066202	0.0	0.0	0.0
45	161539076282	0.0	14.5	14.5
46	211439056649	0.0	10.0	10.0

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Circuits programmables FPGA / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	10.0	10.0	10.0
2	171739067109	0.0	16.5	16.5
3	171739074382	15.0	15.0	15.0
4	181839064932	0.0	17.5	17.5
5	161639070040	11.0	11.0	11.0
6	171739081356	0.0	16.5	16.5
7	161639071822	0.0	0.0	0.0
8	181839069846	0.0	7.0	7.0
9	171739069093	0.0	13.0	13.0
10	181839070798	0.0	10.0	10.0
11	181839066432	0.0	15.0	15.0
12	20924202004	0.0	12.0	12.0
13	181839066514	0.0	18.5	18.5
14	171739066136	0.0	16.0	16.0
15	181839068228	0.0	0.0	0.0
16	171739064749	11.0	11.0	11.0
17	181839062946	0.0	13.0	13.0
18	161639066778	0.0	0.0	0.0
19	171739071825	0.0	0.0	0.0
20	181839065384	0.0	15.0	15.0
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	0.0	0.0	0.0
24	161639067892	0.0	0.0	0.0
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	0.0	14.5	14.5
28	181839063731	0.0	7.0	7.0
29	181839066273	0.0	12.5	12.5
30	181839070304	0.0	17.5	17.5
31	181839063949	0.0	13.0	13.0
32	181839063046	0.0	16.0	16.0
33	181839066623	0.0	14.5	14.5
34	181839073674	0.0	15.0	15.0
35	181839063294	0.0	10.0	10.0
36	181839065184	0.0	16.0	16.0
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	10.0	10.0	10.0
40	21129049282	0.0	14.0	14.0
41	161539066411	0.0	0.0	0.0
42	161439056117	0.0	12.5	12.5
43	211539079128	0.0	16.5	16.5
44	181339048044	0.0	14.0	14.0
45	201539064865	0.0	10.0	10.0
46	21109042445	0.0	17.5	17.5
47	161539067987	10.0	10.0	10.0
48	211539056984	0.0	16.0	16.0
49	191439056971	10.0	10.0	10.0

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Communications numériques avancées / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	0.0	12.0	12.0
3	181839063296	0.0	12.0	12.0
4	171734026249	0.0	10.0	10.0
5	171739066187	0.0	12.0	12.0
6	181839066502	0.0	0.0	0.0
7	181839070813	0.0	12.0	12.0
8	161639071229	0.0	11.0	11.0
9	161639073179	0.0	10.0	10.0
10	181839068253	0.0	0.0	0.0
11	181839080042	0.0	12.0	12.0
12	181839064551	0.0	12.0	12.0
13	161639076224	0.0	0.0	0.0
14	2098823221	0.0	12.0	12.0
15	161639078751	0.0	0.0	0.0
16	181839063962	0.0	12.0	12.0
17	18129045722	0.0	0.0	0.0
18	181839063188	0.0	12.0	12.0
19	181839064935	0.0	12.0	12.0
20	171739081848	0.0	12.0	12.0
21	181839070232	0.0	12.0	12.0
22	181839066569	0.0	12.0	12.0
23	20079065601	0.0	12.0	12.0
24	181839063197	0.0	12.0	12.0
25	181839068981	0.0	10.0	10.0
26	181839062905	0.0	12.0	12.0
27	21940801758	0.0	12.0	12.0
28	181839063837	0.0	12.0	12.0
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	0.0	12.0	12.0
34	171739075159	0.0	12.0	12.0
35	181839062959	0.0	10.0	10.0
36	181839072271	0.0	0.0	0.0
37	181839067107	0.0	12.0	12.0
38	181839070644	0.0	12.0	12.0
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	11.0	11.0
42	191439056120	0.0	10.0	10.0
43	211539067633	0.0	12.0	12.0
44	161539065885	0.0	11.0	11.0
45	211439065846	0.0	12.0	12.0
46	211539071992	0.0	12.0	12.0
47	151539083649	0.0	12.0	12.0

Signature de l'enseignant:

Le:

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Communications numériques avancées / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	0.0	12.0	12.0
2	181839073590	0.0	12.0	12.0
3	181839063906	0.0	0.0	0.0
4	181439064369	0.0	12.0	12.0
5	171739071347	0.0	0.0	0.0
6	161639071910	0.0	12.0	12.0
7	181839064026	0.0	12.0	12.0
8	181839066405	0.0	12.0	12.0
9	171739066108	0.0	12.0	12.0
10	181839062844	0.0	12.0	12.0
11	181839072274	0.0	0.0	0.0
12	181839068438	0.0	12.0	12.0
13	161639071359	0.0	11.0	11.0
14	171739068696	0.0	12.0	12.0
15	181839063221	0.0	12.0	12.0
16	181839064938	0.0	12.0	12.0
17	171739074369	0.0	11.0	11.0
18	161639077312	0.0	0.0	0.0
19	181839070790	0.0	12.0	12.0
20	171739082293	0.0	0.0	0.0
21	21089053287	0.0	12.0	12.0
22	181839071174	0.0	12.0	12.0
23	161639065819	0.0	12.0	12.0
24	181839065695	0.0	12.0	12.0
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	0.0	12.0	12.0
28	181839064876	0.0	12.0	12.0
29	181839065319	0.0	12.0	12.0
30	181839066512	0.0	12.0	12.0
31	171739081236	0.0	12.0	12.0
32	161639069121	0.0	13.57	13.57
33	181839063711	0.0	12.0	12.0
34	20089057818	0.0	12.0	12.0
35	171739064575	0.0	12.0	12.0
36	181539066921	0.0	12.0	12.0
37	181839063193	0.0	12.0	12.0
38	181839067154	0.0	12.0	12.0
39	171739066278	0.0	12.0	12.0
40	171739073493	0.0	12.0	12.0
41	181839066575	0.0	0.0	0.0
42	211539069995	0.0	12.0	12.0
43	191439056247	0.0	9.77	9.77
44	211539066202	0.0	0.0	0.0
45	161539076282	0.0	12.0	12.0
46	211439056649	0.0	10.0	10.0

2021/2022

Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Communications numériques avancées / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	0.0	11.0	11.0
2	171739067109	0.0	12.0	12.0
3	171739074382	0.0	11.0	11.0
4	181839064932	0.0	12.0	12.0
5	161639070040	0.0	11.0	11.0
6	171739081356	0.0	12.0	12.0
7	161639071822	0.0	0.0	0.0
8	181839069846	0.0	10.0	10.0
9	171739069093	0.0	12.0	12.0
10	181839070798	0.0	12.0	12.0
11	181839066432	0.0	12.0	12.0
12	20924202004	0.0	12.0	12.0
13	181839066514	0.0	12.0	12.0
14	171739066136	0.0	12.0	12.0
15	181839068228	0.0	0.0	0.0
16	171739064749	0.0	0.0	0.0
17	181839062946	0.0	12.0	12.0
18	161639066778	0.0	0.0	0.0
19	171739071825	0.0	10.0	10.0
20	181839065384	0.0	12.0	12.0
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	0.0	0.0	0.0
24	161639067892	0.0	11.0	11.0
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	0.0	12.0	12.0
28	181839063731	0.0	12.0	12.0
29	181839066273	0.0	12.0	12.0
30	181839070304	0.0	12.0	12.0
31	181839063949	0.0	12.0	12.0
32	181839063046	0.0	10.0	10.0
33	181839066623	0.0	12.0	12.0
34	181839073674	0.0	10.0	10.0
35	181839063294	0.0	12.0	12.0
36	181839065184	0.0	12.0	12.0
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	0.0	11.0	11.0
40	21129049282	0.0	12.0	12.0
41	161539066411	0.0	0.0	0.0
42	161439056117	0.0	0.0	0.0
43	211539079128	0.0	12.0	12.0
44	181339048044	0.0	10.0	10.0
45	201539064865	0.0	12.0	12.0
46	21109042445	0.0	10.0	10.0
47	161539067987	0.0	11.0	11.0
48	211539056984	0.0	12.0	12.0
49	191439056971	0.0	12.05	12.05

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Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Signaux aléatoires et Processus stochastiques / Section A / 1

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	171739070483	0.0	0.0	0.0
2	181839053419	0.0	14.5	14.5
3	181839063296	0.0	11.5	11.5
4	171734026249	0.0	12.0	12.0
5	171739066187	0.0	14.0	14.0
6	181839066502	0.0	0.0	0.0
7	181839070813	0.0	12.5	12.5
8	161639071229	0.0	0.0	0.0
9	161639073179	0.0	12.5	12.5
10	181839068253	0.0	0.0	0.0
11	181839080042	0.0	16.0	16.0
12	181839064551	0.0	13.0	13.0
13	161639076224	0.0	0.0	0.0
14	2098823221	0.0	16.5	16.5
15	161639078751	0.0	0.0	0.0
16	181839063962	0.0	10.0	10.0
17	18129045722	0.0	0.0	0.0
18	181839063188	0.0	10.0	10.0
19	181839064935	0.0	14.0	14.0
20	171739081848	0.0	14.0	14.0
21	181839070232	0.0	15.0	15.0
22	181839066569	0.0	13.0	13.0
23	20079065601	0.0	14.5	14.5
24	181839063197	0.0	14.0	14.0
25	181839068981	0.0	13.0	13.0
26	181839062905	0.0	10.0	10.0
27	21940801758	0.0	15.5	15.5
28	181839063837	0.0	16.0	16.0
29	171739067340	0.0	0.0	0.0
30	181839066354	0.0	0.0	0.0
31	171739074254	0.0	0.0	0.0
32	181839072342	0.0	0.0	0.0
33	181839065395	0.0	14.5	14.5
34	171739075159	0.0	14.5	14.5
35	181839062959	0.0	14.0	14.0
36	181839072271	0.0	15.5	15.5
37	181839067107	0.0	0.0	0.0
38	181839070644	0.0	13.5	13.5
39	171739065369	0.0	0.0	0.0
40	20129045640	0.0	0.0	0.0
41	161439062527	0.0	13.0	13.0
42	191439056120	0.0	14.0	14.0
43	211539067633	0.0	15.0	15.0
44	161539065885	0.0	0.0	0.0
45	211439065846	0.0	15.0	15.0
46	211539071992	0.0	12.5	12.5
47	151539083649	0.0	0.0	0.0

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Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Signaux aléatoires et Processus stochastiques / Section A / 2

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	181839062960	0.0	12.5	12.5
2	181839073590	0.0	12.5	12.5
3	181839063906	0.0	0.0	0.0
4	181439064369	0.0	15.5	15.5
5	171739071347	0.0	0.0	0.0
6	161639071910	0.0	14.5	14.5
7	181839064026	0.0	13.5	13.5
8	181839066405	0.0	11.5	11.5
9	171739066108	0.0	12.0	12.0
10	181839062844	0.0	12.5	12.5
11	181839072274	0.0	0.0	0.0
12	181839068438	0.0	14.5	14.5
13	161639071359	0.0	13.0	13.0
14	171739068696	0.0	12.5	12.5
15	181839063221	0.0	0.0	0.0
16	181839064938	0.0	13.0	13.0
17	171739074369	0.0	13.0	13.0
18	161639077312	0.0	0.0	0.0
19	181839070790	0.0	15.5	15.5
20	171739082293	0.0	0.0	0.0
21	21089053287	0.0	13.0	13.0
22	181839071174	0.0	15.0	15.0
23	161639065819	0.0	13.0	13.0
24	181839065695	0.0	12.0	12.0
25	181839062925	0.0	0.0	0.0
26	161639077178	0.0	0.0	0.0
27	20922006034	0.0	16.0	16.0
28	181839064876	0.0	13.0	13.0
29	181839065319	0.0	13.0	13.0
30	181839066512	0.0	11.5	11.5
31	171739081236	0.0	0.0	0.0
32	161639069121	0.0	13.0	13.0
33	181839063711	0.0	12.0	12.0
34	20089057818	0.0	0.0	0.0
35	171739064575	0.0	12.5	12.5
36	181539066921	0.0	15.0	15.0
37	181839063193	0.0	12.0	12.0
38	181839067154	0.0	13.0	13.0
39	171739066278	0.0	0.0	0.0
40	171739073493	0.0	0.0	0.0
41	181839066575	0.0	0.0	0.0
42	211539069995	0.0	15.0	15.0
43	191439056247	0.0	13.0	13.0
44	211539066202	0.0	0.0	0.0
45	161539076282	0.0	13.0	13.0
46	211439056649	0.0	0.0	0.0

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Filière: Télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de

Matière: TP Signaux aléatoires et Processus stochastiques / Section A / 3

PV de délibération par matière

#	Matricule	Examen	CC	MG
1	161639077464	0.0	0.0	0.0
2	171739067109	0.0	14.0	14.0
3	171739074382	0.0	13.0	13.0
4	181839064932	0.0	13.0	13.0
5	161639070040	0.0	13.0	13.0
6	171739081356	0.0	13.0	13.0
7	161639071822	0.0	0.0	0.0
8	181839069846	0.0	0.0	0.0
9	171739069093	0.0	14.0	14.0
10	181839070798	0.0	12.0	12.0
11	181839066432	0.0	13.0	13.0
12	20924202004	0.0	13.0	13.0
13	181839066514	0.0	14.0	14.0
14	171739066136	0.0	14.0	14.0
15	181839068228	0.0	14.0	14.0
16	171739064749	0.0	13.0	13.0
17	181839062946	0.0	13.0	13.0
18	161639066778	0.0	0.0	0.0
19	171739071825	0.0	0.0	0.0
20	181839065384	0.0	13.5	13.5
21	181839072331	0.0	0.0	0.0
22	171739065200	0.0	0.0	0.0
23	181839064460	0.0	0.0	0.0
24	161639067892	0.0	13.0	13.0
25	181839062877	0.0	0.0	0.0
26	141439047300	0.0	0.0	0.0
27	171739073684	0.0	12.5	12.5
28	181839063731	0.0	13.0	13.0
29	181839066273	0.0	13.0	13.0
30	181839070304	0.0	14.0	14.0
31	181839063949	0.0	12.5	12.5
32	181839063046	0.0	12.5	12.5
33	181839066623	0.0	13.0	13.0
34	181839073674	0.0	14.0	14.0
35	181839063294	0.0	13.0	13.0
36	181839065184	0.0	13.5	13.5
37	171739066639	0.0	0.0	0.0
38	181839063194	0.0	0.0	0.0
39	171739083868	0.0	13.0	13.0
40	21129049282	0.0	13.0	13.0
41	161539066411	0.0	0.0	0.0
42	161439056117	0.0	0.0	0.0
43	211539079128	0.0	13.0	13.0
44	181339048044	0.0	13.5	13.5
45	201539064865	0.0	13.0	13.0
46	21109042445	0.0	13.0	13.0
47	161539067987	0.0	0.0	0.0
48	211539056984	0.0	13.0	13.0
49	191439056971	0.0	13.0	13.0