



2021/2022

Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 09

Matière: Anglais technique et terminologie / Section A / 1

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: Anglais technique et terminologie / Section A / 2

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

Matière: Anglais technique et terminologie / Section A / 3

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Circuits programmables FPGA / Section A / 1

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Circuits programmables FPGA / Section A / 2

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

2021/2022

Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Circuits programmables FPGA / Section A / 3

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

Signature de l'enseignant:

Le:

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Communications numériques avancées / Section A / 1

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Communications numériques avancées / Section A / 2

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Communications numériques avancées / Section A / 3

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Compa.Electrotechnique / Section A / 1

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Compa.Electrotechnique / Section A / 2

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Compa.Electrotechnique / Section A / 3

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

Signature de l'enseignant:

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Normes et Protocoles / Section A / 1

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

Signature de l'enseignant:

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Normes et Protocoles / Section A / 2

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Normes et Protocoles / Section A / 3

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

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

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

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

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

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

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

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Filière: télécommunications
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Matière: Radiocommunication / Section A / 1

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Radiocommunication / Section A / 2

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: Radiocommunication / Section A / 3

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

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

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2019

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

#	Matricule	Examen	CC	MG	Session
1	161639077464	10.0	12.0	10.8	NORMALE
2	171739067109	15.0	16.0	15.4	NORMALE
3	171739074382	12.0	12.0	12.0	NORMALE
4	181839064932	15.0	16.0	15.4	NORMALE
5	161639070040	12.0	12.0	12.0	NORMALE
6	171739081356	15.0	12.0	13.8	NORMALE
7	161639071822	12.0	12.0	12.0	NORMALE
8	181839069846	15.0	12.0	13.8	NORMALE
9	171739069093	15.0	12.0	13.8	NORMALE
10	181839070798	12.0	12.0	12.0	NORMALE
11	181839066432	15.0	16.0	15.4	NORMALE
12	20924202004	15.0	16.0	15.4	NORMALE
13	181839066514	20.0	18.0	19.2	NORMALE
14	171739066136	20.0	16.0	18.4	NORMALE
15	181839068228	16.0	12.0	14.4	NORMALE
16	171739064749	12.0	12.0	12.0	NORMALE
17	181839062946	15.0	16.0	15.4	NORMALE
18	161639066778	12.0	12.0	12.0	NORMALE
19	171739071825	12.0	12.0	12.0	NORMALE
20	181839065384	16.0	16.0	16.0	NORMALE
21	181839072331	15.0	12.0	13.8	NORMALE
22	171739065200	12.0	12.0	12.0	NORMALE
23	181839064460	10.0	12.0	10.8	NORMALE
24	161639067892	12.0	12.0	12.0	NORMALE
25	181839062877	12.0	12.0	12.0	NORMALE
26	141439047300	12.0	12.0	12.0	NORMALE
27	171739073684	10.0	12.0	10.8	NORMALE
28	181839063731	12.0	16.0	13.6	NORMALE
29	181839066273	12.0	12.0	12.0	NORMALE
30	181839070304	15.0	16.0	15.4	NORMALE
31	181839063949	15.0	12.0	13.8	NORMALE
32	181839063046	15.0	16.0	15.4	NORMALE
33	181839066623	15.0	16.0	15.4	NORMALE
34	181839073674	15.0	16.0	15.4	NORMALE
35	181839063294	10.0	12.0	10.8	NORMALE
36	181839065184	12.0	16.0	13.6	NORMALE
37	171739066639	12.0	12.0	12.0	NORMALE
38	181839063194	12.0	12.0	12.0	NORMALE
39	171739083868	12.0	16.0	13.6	NORMALE
40	21129049282	15.0	12.0	13.8	NORMALE
41	161539066411	12.0	12.0	12.0	NORMALE
42	161439056117	10.0	12.0	10.8	NORMALE
43	211539079128	15.0	16.0	15.4	NORMALE
44	181339048044	15.0	16.0	15.4	NORMALE
45	201539064865	10.0	12.0	10.8	NORMALE
46	21109042445	12.0	12.0	12.0	NORMALE
47	161539067987	12.0	12.0	12.0	NORMALE
48	211539056984	12.0	12.0	12.0	NORMALE
49	191439056971	12.0	12.0	12.0	NORMALE

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: TP Circuits programmables FPGA / Section A / 1

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: TP Circuits programmables FPGA / Section A / 2

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: TP Circuits programmables FPGA / Section A / 3

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: TP Communications numériques avancées / Section A / 1

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

Matière: TP Communications numériques avancées / Section A / 2

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

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Filière: télécommunications
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Matière: TP Communications numériques avancées / Section A / 3

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

Signature de l'enseignant:

Le:

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

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

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Filière: télécommunications
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

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

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

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Filière: télécommunications
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Niveau: Arrêté d'habilitation de l'offre de formation: قرار رقم 1212 المؤرخ في 09 أوت 2021

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

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

Signature de l'enseignant:

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