

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09/09/2021

Matière: Antennes / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	14.0	7.0	11.2	RATTRAPAGE
3	181839063296	15.0	8.0	12.2	RATTRAPAGE
4	171734026249	2.5	8.25	4.8	NORMALE
5	171739066187	7.0	12.0	9.0	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	16.0	5.0	11.6	RATTRAPAGE
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	12.0	8.0	10.4	NORMALE
12	181839064551	14.0	8.0	11.6	RATTRAPAGE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	15.5	10.0	13.3	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	11.0	10.5	10.8	NORMALE
17	18129045722	0.0	5.0	2.0	NORMALE
18	181839063188	12.0	6.0	9.6	RATTRAPAGE
19	181839064935	12.0	8.5	10.6	RATTRAPAGE
20	171739081848	11.0	7.0	9.4	RATTRAPAGE
21	181839070232	14.0	7.0	11.2	RATTRAPAGE
22	181839066569	10.0	8.0	9.2	RATTRAPAGE
23	20079065601	1.0	8.0	3.8	NORMALE
24	181839063197	10.0	9.0	9.6	RATTRAPAGE
25	181839068981	11.0	5.0	8.6	RATTRAPAGE
26	181839062905	10.0	6.0	8.4	RATTRAPAGE
27	21940801758	11.5	12.0	11.7	NORMALE
28	181839063837	12.0	7.0	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	5.0	11.25	7.5	NORMALE
34	171739075159	14.0	7.0	11.2	RATTRAPAGE
35	181839062959	14.0	9.0	12.0	RATTRAPAGE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	16.5	10.0	13.9	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	15.0	8.75	12.5	RATTRAPAGE
43	211539067633	6.5	9.75	7.8	NORMALE
44	161539065885	0.0	0.0	0.0	NORMALE
45	211439065846	9.0	9.25	9.1	NORMALE
46	211539071992	15.0	8.0	12.2	RATTRAPAGE
47	151539083649	13.0	8.75	11.3	NORMALE

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Antennes / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	16.0	9.5	13.4	RATTRAPAGE
2	181839073590	5.0	8.25	6.3	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	7.0	3.4	NORMALE
7	181839064026	14.0	7.5	11.4	RATTRAPAGE
8	181839066405	10.5	11.0	10.7	NORMALE
9	171739066108	10.0	8.0	9.2	RATTRAPAGE
10	181839062844	10.0	8.0	9.2	RATTRAPAGE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	13.0	6.0	10.2	RATTRAPAGE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	2.0	5.0	3.2	NORMALE
15	181839063221	11.0	7.0	9.4	RATTRAPAGE
16	181839064938	14.0	7.0	11.2	RATTRAPAGE
17	171739074369	0.0	0.0	0.0	NORMALE
18	161639077312	0.0	0.0	0.0	NORMALE
19	181839070790	11.0	10.25	10.7	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	4.0	1.6	NORMALE
22	181839071174	1.0	6.25	3.1	NORMALE
23	161639065819	11.0	8.25	9.9	RATTRAPAGE
24	181839065695	13.0	6.0	10.2	RATTRAPAGE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	8.0	12.5	9.8	NORMALE
28	181839064876	14.0	9.25	12.1	RATTRAPAGE
29	181839065319	14.0	6.0	10.8	RATTRAPAGE
30	181839066512	15.0	9.0	12.6	RATTRAPAGE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	16.0	8.0	12.8	RATTRAPAGE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	14.0	10.0	12.4	RATTRAPAGE
36	181539066921	0.0	0.0	0.0	NORMALE
37	181839063193	14.0	10.0	12.4	RATTRAPAGE
38	181839067154	16.0	7.0	12.4	RATTRAPAGE
39	171739066278	1.0	5.0	2.6	NORMALE
40	171739073493	0.0	0.0	0.0	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	13.0	7.0	10.6	RATTRAPAGE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	16.0	7.0	12.4	RATTRAPAGE
46	211439056649	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 2 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في N°09

Matière: Antennes / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	5.0	2.0	NORMALE
2	171739067109	13.5	9.75	12.0	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	7.0	8.25	7.5	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	12.5	10.0	11.5	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	10.0	0.0	6.0	RATTRAPAGE
9	171739069093	13.0	8.25	11.1	NORMALE
10	181839070798	15.0	7.0	11.8	RATTRAPAGE
11	181839066432	11.5	9.25	10.6	NORMALE
12	20924202004	11.25	9.25	10.45	NORMALE
13	181839066514	14.0	16.75	15.1	NORMALE
14	171739066136	12.0	10.0	11.2	NORMALE
15	181839068228	0.0	0.0	0.0	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	14.75	9.75	12.75	NORMALE
18	161639066778	0.0	0.0	0.0	NORMALE
19	171739071825	0.0	0.0	0.0	NORMALE
20	181839065384	14.25	11.5	13.15	NORMALE
21	181839072331	0.0	0.0	0.0	NORMALE
22	171739065200	0.0	0.0	0.0	NORMALE
23	181839064460	10.0	0.0	6.0	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	1.0	7.0	3.4	NORMALE
28	181839063731	12.0	8.75	10.7	RATTRAPAGE
29	181839066273	10.0	8.0	9.2	RATTRAPAGE
30	181839070304	11.25	11.75	11.45	NORMALE
31	181839063949	16.0	7.0	12.4	RATTRAPAGE
32	181839063046	14.0	7.5	11.4	RATTRAPAGE
33	181839066623	2.0	7.5	4.2	NORMALE
34	181839073674	15.0	8.0	12.2	RATTRAPAGE
35	181839063294	11.25	8.0	9.95	NORMALE
36	181839065184	13.0	6.0	10.2	RATTRAPAGE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	18.0	8.25	14.1	RATTRAPAGE
40	21129049282	12.25	9.5	11.15	NORMALE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	12.5	8.0	10.7	NORMALE
44	181339048044	3.0	9.5	5.6	NORMALE
45	201539064865	18.0	14.0	16.4	RATTRAPAGE
46	21109042445	12.0	8.25	10.5	NORMALE
47	161539067987	0.0	6.0	2.4	NORMALE
48	211539056984	17.0	8.0	13.4	RATTRAPAGE
49	191439056971	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 3 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن°

Matière: Canaux de Transmission / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	6.0	7.0	6.4	RATTRAPAGE
3	181839063296	15.0	4.0	10.6	RATTRAPAGE
4	171734026249	7.0	12.0	9.0	NORMALE
5	171739066187	8.0	14.5	10.6	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	15.0	4.0	10.6	RATTRAPAGE
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	6.0	4.0	5.2	RATTRAPAGE
12	181839064551	6.0	6.0	6.0	RATTRAPAGE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	10.0	15.0	12.0	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	10.0	11.0	10.4	NORMALE
17	18129045722	0.0	0.0	0.0	NORMALE
18	181839063188	15.0	15.0	15.0	RATTRAPAGE
19	181839064935	15.0	8.0	12.2	RATTRAPAGE
20	171739081848	15.0	5.0	11.0	RATTRAPAGE
21	181839070232	15.0	5.0	11.0	RATTRAPAGE
22	181839066569	16.0	5.0	11.6	RATTRAPAGE
23	20079065601	5.0	7.0	5.8	NORMALE
24	181839063197	16.0	5.0	11.6	RATTRAPAGE
25	181839068981	15.0	2.0	9.8	RATTRAPAGE
26	181839062905	15.0	5.0	11.0	NORMALE
27	21940801758	11.0	15.0	12.6	NORMALE
28	181839063837	7.0	5.0	6.2	RATTRAPAGE
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	10.0	10.0	10.0	NORMALE
34	171739075159	8.0	6.0	7.2	RATTRAPAGE
35	181839062959	15.0	5.0	11.0	RATTRAPAGE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	6.0	12.0	8.4	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	10.0	10.0	10.0	RATTRAPAGE
43	211539067633	8.0	8.0	8.0	RATTRAPAGE
44	161539065885	0.0	0.0	0.0	NORMALE
45	211439065846	7.5	7.0	7.3	NORMALE
46	211539071992	16.0	7.0	12.4	RATTRAPAGE
47	151539083649	8.0	13.0	10.0	NORMALE

Signature de l'enseignant:

Le:

Page 4 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09

Matière: Canaux de Transmission / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	10.0	10.0	10.0	NORMALE
2	181839073590	4.0	6.0	4.8	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	17.0	6.0	12.6	RATTRAPAGE
7	181839064026	3.0	0.0	1.8	RATTRAPAGE
8	181839066405	15.0	7.0	11.8	RATTRAPAGE
9	171739066108	15.0	8.0	12.2	RATTRAPAGE
10	181839062844	10.0	10.0	10.0	RATTRAPAGE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	15.0	4.0	10.6	NORMALE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	1.0	2.0	1.4	NORMALE
15	181839063221	16.0	15.0	15.6	RATTRAPAGE
16	181839064938	15.0	7.0	11.8	RATTRAPAGE
17	171739074369	0.0	0.0	0.0	NORMALE
18	161639077312	0.0	0.0	0.0	NORMALE
19	181839070790	4.0	11.0	6.8	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	0.0	0.0	NORMALE
22	181839071174	15.0	3.0	10.2	RATTRAPAGE
23	161639065819	16.0	4.0	11.2	RATTRAPAGE
24	181839065695	15.0	3.0	10.2	RATTRAPAGE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	10.0	13.0	11.2	NORMALE
28	181839064876	3.0	5.0	3.8	NORMALE
29	181839065319	8.0	7.0	7.6	RATTRAPAGE
30	181839066512	6.0	7.0	6.4	RATTRAPAGE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	15.0	2.0	9.8	RATTRAPAGE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	15.0	0.0	9.0	RATTRAPAGE
36	181539066921	0.0	0.0	0.0	NORMALE
37	181839063193	6.0	10.0	7.6	RATTRAPAGE
38	181839067154	10.0	7.0	8.8	RATTRAPAGE
39	171739066278	5.0	0.0	3.0	NORMALE
40	171739073493	10.0	10.0	10.0	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	15.0	4.0	10.6	RATTRAPAGE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	16.0	4.0	11.2	RATTRAPAGE
46	211439056649	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Canaux de Transmission / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	0.0	0.0	NORMALE
2	171739067109	7.0	12.0	9.0	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	3.0	8.0	5.0	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	3.0	12.0	6.6	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	3.0	1.0	2.2	NORMALE
9	171739069093	16.0	4.0	11.2	RATTRAPAGE
10	181839070798	4.0	2.0	3.2	NORMALE
11	181839066432	5.0	4.0	4.6	RATTRAPAGE
12	20924202004	10.0	14.0	11.6	NORMALE
13	181839066514	13.0	17.0	14.6	NORMALE
14	171739066136	2.0	12.0	6.0	NORMALE
15	181839068228	3.0	0.0	1.8	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	2.0	8.0	4.4	NORMALE
18	161639066778	0.0	0.0	0.0	NORMALE
19	171739071825	0.0	0.0	0.0	NORMALE
20	181839065384	11.0	12.0	11.4	NORMALE
21	181839072331	0.0	0.0	0.0	NORMALE
22	171739065200	0.0	0.0	0.0	NORMALE
23	181839064460	2.0	0.0	1.2	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	5.0	3.2	NORMALE
28	181839063731	15.0	5.0	11.0	RATTRAPAGE
29	181839066273	15.0	4.0	10.6	RATTRAPAGE
30	181839070304	5.0	16.0	9.4	NORMALE
31	181839063949	5.0	5.0	5.0	NORMALE
32	181839063046	15.0	0.0	9.0	RATTRAPAGE
33	181839066623	2.0	8.0	4.4	NORMALE
34	181839073674	5.0	2.0	3.8	NORMALE
35	181839063294	15.0	2.0	9.8	RATTRAPAGE
36	181839065184	15.0	5.0	11.0	RATTRAPAGE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	15.0	3.0	10.2	RATTRAPAGE
40	21129049282	15.0	7.0	11.8	RATTRAPAGE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	3.0	10.0	5.8	NORMALE
44	181339048044	5.0	7.0	5.8	NORMALE
45	201539064865	15.0	16.0	15.4	RATTRAPAGE
46	21109042445	16.0	4.0	11.2	NORMALE
47	161539067987	0.0	0.0	0.0	NORMALE
48	211539056984	16.0	2.0	10.4	RATTRAPAGE
49	191439056971	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 6 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09

Matière: Codage et Compression / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	4.0	8.5	5.8	NORMALE
3	181839063296	6.25	6.0	6.15	RATTRAPAGE
4	171734026249	4.0	8.5	5.8	NORMALE
5	171739066187	15.0	11.0	13.4	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	4.0	5.0	4.4	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	9.25	6.5	8.15	RATTRAPAGE
12	181839064551	12.0	6.75	9.9	RATTRAPAGE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	4.5	10.5	6.9	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	15.0	6.0	11.4	NORMALE
17	18129045722	0.0	2.0	0.8	NORMALE
18	181839063188	4.0	5.25	4.5	NORMALE
19	181839064935	4.0	8.25	5.7	NORMALE
20	171739081848	4.0	7.0	5.2	NORMALE
21	181839070232	5.5	6.0	5.7	NORMALE
22	181839066569	4.0	6.0	4.8	NORMALE
23	20079065601	5.5	5.0	5.3	NORMALE
24	181839063197	5.0	6.0	5.4	NORMALE
25	181839068981	4.0	5.0	4.4	NORMALE
26	181839062905	4.0	5.25	4.5	NORMALE
27	21940801758	13.0	14.0	13.4	NORMALE
28	181839063837	7.0	6.5	6.8	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	16.5	12.75	15.0	NORMALE
34	171739075159	5.5	4.0	4.9	NORMALE
35	181839062959	5.5	6.5	5.9	NORMALE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	9.5	10.0	9.7	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	7.5	5.4	NORMALE
43	211539067633	11.0	9.0	10.2	NORMALE
44	161539065885	0.0	0.0	0.0	NORMALE
45	211439065846	8.0	9.25	8.5	NORMALE
46	211539071992	5.5	6.75	6.0	NORMALE
47	151539083649	7.0	11.0	8.6	NORMALE

Signature de l'enseignant:

Le:

Page 7 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن°

Matière: Codage et Compression / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	6.0	7.5	6.6	NORMALE
2	181839073590	10.0	8.75	9.5	NORMALE
3	181839063906	0.0	3.0	1.2	NORMALE
4	181439064369	10.1	10.1	10.1	NORMALE
5	171739071347	0.0	0.0	0.0	NORMALE
6	161639071910	6.25	5.0	5.75	RATTRAPAGE
7	181839064026	4.0	7.5	5.4	NORMALE
8	181839066405	4.5	8.0	5.9	NORMALE
9	171739066108	5.5	6.0	5.7	NORMALE
10	181839062844	5.5	6.0	5.7	NORMALE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	6.0	4.0	5.2	NORMALE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	4.0	0.0	2.4	NORMALE
15	181839063221	5.5	4.5	5.1	NORMALE
16	181839064938	4.0	6.75	5.1	NORMALE
17	171739074369	0.0	0.0	0.0	NORMALE
18	161639077312	0.0	0.0	0.0	NORMALE
19	181839070790	7.0	13.5	9.6	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	4.0	1.6	NORMALE
22	181839071174	4.5	4.0	4.3	NORMALE
23	161639065819	4.0	6.5	5.0	NORMALE
24	181839065695	5.5	5.75	5.6	NORMALE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	6.0	10.5	7.8	NORMALE
28	181839064876	5.5	6.75	6.0	NORMALE
29	181839065319	16.0	6.0	12.0	RATTRAPAGE
30	181839066512	4.0	8.0	5.6	NORMALE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	5.0	6.0	5.4	NORMALE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	5.5	6.0	5.7	NORMALE
36	181539066921	10.55	10.55	10.55	NORMALE
37	181839063193	7.5	7.5	7.5	RATTRAPAGE
38	181839067154	4.0	7.0	5.2	NORMALE
39	171739066278	4.0	6.5	5.0	NORMALE
40	171739073493	0.0	0.0	0.0	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	4.0	6.5	5.0	NORMALE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	4.0	6.0	4.8	NORMALE
46	211439056649	0.0	0.0	0.0	NORMALE



2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Codage et Compression / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	0.0	0.0	NORMALE
2	171739067109	4.0	7.75	5.5	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	6.0	6.75	6.3	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	12.0	8.0	10.4	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	6.5	0.0	3.9	NORMALE
9	171739069093	5.5	7.5	6.3	NORMALE
10	181839070798	7.0	4.0	5.8	NORMALE
11	181839066432	4.5	6.5	5.3	NORMALE
12	20924202004	5.5	7.5	6.3	NORMALE
13	181839066514	19.0	18.5	18.8	NORMALE
14	171739066136	8.0	8.0	8.0	NORMALE
15	181839068228	0.0	0.0	0.0	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	8.0	6.0	7.2	NORMALE
18	161639066778	0.0	0.0	0.0	NORMALE
19	171739071825	0.0	0.0	0.0	NORMALE
20	181839065384	10.0	8.5	9.4	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	4.0	5.75	4.7	NORMALE
28	181839063731	6.0	5.75	5.9	RATTRAPAGE
29	181839066273	5.5	7.75	6.4	NORMALE
30	181839070304	6.0	10.0	7.6	NORMALE
31	181839063949	8.0	6.0	7.2	NORMALE
32	181839063046	4.0	4.0	4.0	NORMALE
33	181839066623	4.0	6.5	5.0	NORMALE
34	181839073674	15.0	5.0	11.0	RATTRAPAGE
35	181839063294	4.0	3.5	3.8	NORMALE
36	181839065184	5.0	5.75	5.3	NORMALE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	4.0	5.0	4.4	NORMALE
40	21129049282	4.5	6.0	5.1	NORMALE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	7.0	7.0	7.0	NORMALE
44	181339048044	5.0	4.0	4.6	NORMALE
45	201539064865	4.0	5.0	4.4	NORMALE
46	21109042445	4.0	5.0	4.4	NORMALE
47	161539067987	0.0	2.0	0.8	NORMALE
48	211539056984	5.0	7.75	6.1	NORMALE
49	191439056971	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 9 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	14.5	0.0	14.5	NORMALE
3	181839063296	13.5	0.0	13.5	NORMALE
4	171734026249	17.0	0.0	17.0	NORMALE
5	171739066187	12.0	0.0	12.0	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	16.5	0.0	16.5	NORMALE
8	161639071229	0.0	0.0	0.0	NORMALE
9	161639073179	0.0	0.0	0.0	NORMALE
10	181839068253	6.5	0.0	6.5	NORMALE
11	181839080042	11.5	0.0	11.5	RATTRAPAGE
12	181839064551	18.5	0.0	18.5	NORMALE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	12.0	0.0	12.0	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	16.5	0.0	16.5	NORMALE
17	18129045722	0.0	0.0	0.0	NORMALE
18	181839063188	11.5	0.0	11.5	NORMALE
19	181839064935	12.5	0.0	12.5	NORMALE
20	171739081848	16.0	0.0	16.0	RATTRAPAGE
21	181839070232	11.0	0.0	11.0	NORMALE
22	181839066569	13.5	0.0	13.5	RATTRAPAGE
23	20079065601	8.0	0.0	8.0	NORMALE
24	181839063197	10.0	0.0	10.0	NORMALE
25	181839068981	14.0	0.0	14.0	NORMALE
26	181839062905	17.5	0.0	17.5	NORMALE
27	21940801758	15.0	0.0	15.0	NORMALE
28	181839063837	9.0	0.0	9.0	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	0.0	11.0	NORMALE
34	171739075159	10.0	0.0	10.0	NORMALE
35	181839062959	16.5	0.0	16.5	NORMALE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	15.5	0.0	15.5	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	14.5	0.0	14.5	NORMALE
43	211539067633	13.0	0.0	13.0	NORMALE
44	161539065885	15.5	0.0	15.5	NORMALE
45	211439065846	16.5	0.0	16.5	NORMALE
46	211539071992	14.0	0.0	14.0	NORMALE
47	151539083649	13.5	0.0	13.5	NORMALE

Signature de l'enseignant:

Le:

Page 10 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	12.5	0.0	12.5	NORMALE
2	181839073590	16.0	0.0	16.0	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	17.5	0.0	17.5	RATTRAPAGE
7	181839064026	18.0	0.0	18.0	RATTRAPAGE
8	181839066405	16.5	0.0	16.5	RATTRAPAGE
9	171739066108	9.0	0.0	9.0	NORMALE
10	181839062844	14.0	0.0	14.0	NORMALE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	13.0	0.0	13.0	RATTRAPAGE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	7.5	0.0	7.5	NORMALE
15	181839063221	18.0	0.0	18.0	NORMALE
16	181839064938	12.5	0.0	12.5	NORMALE
17	171739074369	0.0	0.0	0.0	NORMALE
18	161639077312	0.0	0.0	0.0	NORMALE
19	181839070790	15.0	0.0	15.0	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	0.0	0.0	NORMALE
22	181839071174	13.0	0.0	13.0	RATTRAPAGE
23	161639065819	10.0	0.0	10.0	RATTRAPAGE
24	181839065695	10.5	0.0	10.5	NORMALE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	13.5	0.0	13.5	NORMALE
28	181839064876	10.0	0.0	10.0	NORMALE
29	181839065319	11.5	0.0	11.5	NORMALE
30	181839066512	13.5	0.0	13.5	NORMALE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	13.5	0.0	13.5	RATTRAPAGE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	12.0	0.0	12.0	RATTRAPAGE
36	181539066921	14.0	0.0	14.0	NORMALE
37	181839063193	12.0	0.0	12.0	NORMALE
38	181839067154	17.5	0.0	17.5	NORMALE
39	171739066278	10.5	0.0	10.5	NORMALE
40	171739073493	0.0	0.0	0.0	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	13.0	0.0	13.0	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	RATTRAPAGE
46	211439056649	0.0	0.0	0.0	NORMALE

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن°

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

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	0.0	0.0	NORMALE
2	171739067109	18.0	0.0	18.0	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	14.5	0.0	14.5	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	15.5	0.0	15.5	NORMALE
9	171739069093	16.5	0.0	16.5	NORMALE
10	181839070798	14.0	0.0	14.0	NORMALE
11	181839066432	12.5	0.0	12.5	NORMALE
12	20924202004	14.0	0.0	14.0	NORMALE
13	181839066514	18.5	0.0	18.5	NORMALE
14	171739066136	19.5	0.0	19.5	NORMALE
15	181839068228	0.0	0.0	0.0	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	18.5	0.0	18.5	NORMALE
18	161639066778	0.0	0.0	0.0	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	7.0	0.0	7.0	NORMALE
24	161639067892	16.5	0.0	16.5	NORMALE
25	181839062877	0.0	0.0	0.0	NORMALE
26	141439047300	0.0	0.0	0.0	NORMALE
27	171739073684	8.0	0.0	8.0	NORMALE
28	181839063731	19.0	0.0	19.0	NORMALE
29	181839066273	13.0	0.0	13.0	NORMALE
30	181839070304	13.0	0.0	13.0	NORMALE
31	181839063949	17.5	0.0	17.5	NORMALE
32	181839063046	11.0	0.0	11.0	NORMALE
33	181839066623	17.5	0.0	17.5	NORMALE
34	181839073674	12.0	0.0	12.0	NORMALE
35	181839063294	16.5	0.0	16.5	NORMALE
36	181839065184	11.5	0.0	11.5	NORMALE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	14.5	0.0	14.5	NORMALE
40	21129049282	10.0	0.0	10.0	NORMALE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	18.5	0.0	18.5	NORMALE
44	181339048044	14.5	0.0	14.5	NORMALE
45	201539064865	10.5	0.0	10.5	NORMALE
46	21109042445	15.5	0.0	15.5	NORMALE
47	161539067987	13.0	0.0	13.0	NORMALE
48	211539056984	17.5	0.0	17.5	NORMALE
49	191439056971	16.5	0.0	16.5	NORMALE

Signature de l'enseignant:

Le:

Page 12 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09

Matière: Physique de Semiconducteurs / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	12.0	0.0	12.0	RATTRAPAGE
3	181839063296	16.0	0.0	16.0	RATTRAPAGE
4	171734026249	16.0	0.0	16.0	NORMALE
5	171739066187	16.0	0.0	16.0	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	16.0	0.0	16.0	RATTRAPAGE
8	161639071229	0.0	0.0	0.0	NORMALE
9	161639073179	0.0	0.0	0.0	NORMALE
10	181839068253	2.0	0.0	2.0	NORMALE
11	181839080042	10.0	0.0	10.0	RATTRAPAGE
12	181839064551	10.0	0.0	10.0	RATTRAPAGE
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	16.0	0.0	16.0	NORMALE
17	18129045722	0.0	0.0	0.0	NORMALE
18	181839063188	16.0	0.0	16.0	RATTRAPAGE
19	181839064935	16.0	0.0	16.0	RATTRAPAGE
20	171739081848	16.0	0.0	16.0	RATTRAPAGE
21	181839070232	16.0	0.0	16.0	RATTRAPAGE
22	181839066569	15.0	0.0	15.0	NORMALE
23	20079065601	10.0	0.0	10.0	NORMALE
24	181839063197	15.0	0.0	15.0	RATTRAPAGE
25	181839068981	16.0	0.0	16.0	RATTRAPAGE
26	181839062905	16.0	0.0	16.0	RATTRAPAGE
27	21940801758	11.0	0.0	11.0	NORMALE
28	181839063837	10.0	0.0	10.0	RATTRAPAGE
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	12.0	0.0	12.0	NORMALE
34	171739075159	10.0	0.0	10.0	RATTRAPAGE
35	181839062959	16.0	0.0	16.0	RATTRAPAGE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	10.0	0.0	10.0	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	6.0	0.0	6.0	NORMALE
43	211539067633	12.0	0.0	12.0	RATTRAPAGE
44	161539065885	0.0	0.0	0.0	NORMALE
45	211439065846	8.0	0.0	8.0	NORMALE
46	211539071992	15.0	0.0	15.0	RATTRAPAGE
47	151539083649	7.0	0.0	7.0	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Physique de Semiconducteurs / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	10.0	0.0	10.0	RATTRAPAGE
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	17.0	0.0	17.0	RATTRAPAGE
7	181839064026	10.0	0.0	10.0	RATTRAPAGE
8	181839066405	16.0	0.0	16.0	RATTRAPAGE
9	171739066108	16.0	0.0	16.0	RATTRAPAGE
10	181839062844	10.0	0.0	10.0	RATTRAPAGE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	16.0	0.0	16.0	NORMALE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	2.5	0.0	2.5	NORMALE
15	181839063221	16.0	0.0	16.0	NORMALE
16	181839064938	10.0	0.0	10.0	NORMALE
17	171739074369	0.0	0.0	0.0	NORMALE
18	161639077312	0.0	0.0	0.0	NORMALE
19	181839070790	14.0	0.0	14.0	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	0.0	0.0	NORMALE
22	181839071174	16.0	0.0	16.0	RATTRAPAGE
23	161639065819	15.0	0.0	15.0	RATTRAPAGE
24	181839065695	16.0	0.0	16.0	NORMALE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	11.0	0.0	11.0	NORMALE
28	181839064876	10.0	0.0	10.0	RATTRAPAGE
29	181839065319	18.0	0.0	18.0	RATTRAPAGE
30	181839066512	10.0	0.0	10.0	RATTRAPAGE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	16.0	0.0	16.0	RATTRAPAGE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	16.0	0.0	16.0	RATTRAPAGE
36	181539066921	0.0	0.0	0.0	NORMALE
37	181839063193	10.0	0.0	10.0	NORMALE
38	181839067154	10.0	0.0	10.0	RATTRAPAGE
39	171739066278	7.0	0.0	7.0	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	RATTRAPAGE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	15.0	0.0	15.0	RATTRAPAGE
46	211439056649	0.0	0.0	0.0	NORMALE

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن°

Matière: Physique de Semiconducteurs / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	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	7.0	0.0	7.0	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	10.0	0.0	10.0	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	3.5	0.0	3.5	NORMALE
9	171739069093	15.0	0.0	15.0	RATTRAPAGE
10	181839070798	2.0	0.0	2.0	NORMALE
11	181839066432	10.0	0.0	10.0	RATTRAPAGE
12	20924202004	12.0	0.0	12.0	NORMALE
13	181839066514	13.0	0.0	13.0	NORMALE
14	171739066136	6.0	0.0	6.0	NORMALE
15	181839068228	2.0	0.0	2.0	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	5.5	0.0	5.5	NORMALE
18	161639066778	0.0	0.0	0.0	NORMALE
19	171739071825	0.0	0.0	0.0	NORMALE
20	181839065384	8.0	0.0	8.0	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	2.0	0.0	2.0	NORMALE
28	181839063731	16.0	0.0	16.0	RATTRAPAGE
29	181839066273	16.0	0.0	16.0	NORMALE
30	181839070304	10.0	0.0	10.0	NORMALE
31	181839063949	10.0	0.0	10.0	NORMALE
32	181839063046	16.0	0.0	16.0	RATTRAPAGE
33	181839066623	10.0	0.0	10.0	NORMALE
34	181839073674	16.0	0.0	16.0	RATTRAPAGE
35	181839063294	16.0	0.0	16.0	RATTRAPAGE
36	181839065184	16.0	0.0	16.0	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	RATTRAPAGE
40	21129049282	16.0	0.0	16.0	NORMALE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	10.0	0.0	10.0	NORMALE
44	181339048044	7.0	0.0	7.0	NORMALE
45	201539064865	16.0	0.0	16.0	RATTRAPAGE
46	21109042445	15.0	0.0	15.0	NORMALE
47	161539067987	0.0	0.0	0.0	NORMALE
48	211539056984	15.0	0.0	15.0	RATTRAPAGE
49	191439056971	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 15 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Technique Radars / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	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	2.0	0.0	2.0	NORMALE
4	171734026249	11.5	0.0	11.5	NORMALE
5	171739066187	12.0	0.0	12.0	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	6.0	0.0	6.0	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	RATTRAPAGE
12	181839064551	6.0	0.0	6.0	NORMALE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	6.0	0.0	6.0	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	0.0	0.0	0.0	NORMALE
17	18129045722	0.0	0.0	0.0	NORMALE
18	181839063188	1.0	0.0	1.0	NORMALE
19	181839064935	1.0	0.0	1.0	NORMALE
20	171739081848	0.0	0.0	0.0	NORMALE
21	181839070232	0.0	0.0	0.0	NORMALE
22	181839066569	4.0	0.0	4.0	RATTRAPAGE
23	20079065601	4.5	0.0	4.5	NORMALE
24	181839063197	0.0	0.0	0.0	NORMALE
25	181839068981	0.0	0.0	0.0	NORMALE
26	181839062905	0.0	0.0	0.0	NORMALE
27	21940801758	16.0	0.0	16.0	NORMALE
28	181839063837	3.5	0.0	3.5	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	4.0	0.0	4.0	RATTRAPAGE
34	171739075159	1.0	0.0	1.0	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	8.0	0.0	8.0	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	2.5	0.0	2.5	NORMALE
43	211539067633	2.0	0.0	2.0	NORMALE
44	161539065885	0.0	0.0	0.0	NORMALE
45	211439065846	1.0	0.0	1.0	NORMALE
46	211539071992	4.0	0.0	4.0	NORMALE
47	151539083649	10.0	0.0	10.0	NORMALE



2021/2022

Filière: télécommunications  
systèmes des télécommunications

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

Matière: Technique Radars / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	8.0	0.0	8.0	NORMALE
2	181839073590	3.0	0.0	3.0	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	2.0	0.0	2.0	NORMALE
7	181839064026	1.0	0.0	1.0	NORMALE
8	181839066405	7.0	0.0	7.0	NORMALE
9	171739066108	0.0	0.0	0.0	NORMALE
10	181839062844	2.0	0.0	2.0	NORMALE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	0.0	0.0	0.0	NORMALE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	1.0	0.0	1.0	NORMALE
15	181839063221	0.0	0.0	0.0	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	7.0	0.0	7.0	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	0.0	0.0	NORMALE
22	181839071174	2.0	0.0	2.0	NORMALE
23	161639065819	0.0	0.0	0.0	NORMALE
24	181839065695	0.0	0.0	0.0	NORMALE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	12.0	0.0	12.0	NORMALE
28	181839064876	8.0	0.0	8.0	RATTRAPAGE
29	181839065319	0.0	0.0	0.0	NORMALE
30	181839066512	9.0	0.0	9.0	NORMALE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	0.0	0.0	0.0	NORMALE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	6.0	0.0	6.0	NORMALE
36	181539066921	0.0	0.0	0.0	NORMALE
37	181839063193	3.0	0.0	3.0	NORMALE
38	181839067154	12.0	0.0	12.0	NORMALE
39	171739066278	3.0	0.0	3.0	NORMALE
40	171739073493	0.0	0.0	0.0	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	0.0	0.0	0.0	NORMALE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	0.0	0.0	0.0	NORMALE
46	211439056649	0.0	0.0	0.0	NORMALE

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Technique Radars / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	0.0	0.0	NORMALE
2	171739067109	5.0	0.0	5.0	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	2.0	0.0	2.0	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	11.0	0.0	11.0	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	0.0	0.0	0.0	NORMALE
9	171739069093	6.0	0.0	6.0	NORMALE
10	181839070798	0.0	0.0	0.0	NORMALE
11	181839066432	8.0	0.0	8.0	NORMALE
12	20924202004	12.0	0.0	12.0	NORMALE
13	181839066514	10.0	0.0	10.0	NORMALE
14	171739066136	3.0	0.0	3.0	NORMALE
15	181839068228	0.0	0.0	0.0	NORMALE
16	171739064749	0.0	0.0	0.0	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	9.0	0.0	9.0	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	0.0	0.0	NORMALE
28	181839063731	0.0	0.0	0.0	NORMALE
29	181839066273	6.0	0.0	6.0	NORMALE
30	181839070304	5.0	0.0	5.0	NORMALE
31	181839063949	3.0	0.0	3.0	NORMALE
32	181839063046	0.0	0.0	0.0	NORMALE
33	181839066623	5.0	0.0	5.0	NORMALE
34	181839073674	3.0	0.0	3.0	NORMALE
35	181839063294	6.0	0.0	6.0	NORMALE
36	181839065184	2.0	0.0	2.0	NORMALE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	1.0	0.0	1.0	NORMALE
40	21129049282	4.0	0.0	4.0	RATTRAPAGE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	8.0	0.0	8.0	NORMALE
44	181339048044	5.0	0.0	5.0	NORMALE
45	201539064865	0.0	0.0	0.0	NORMALE
46	21109042445	2.0	0.0	2.0	NORMALE
47	161539067987	0.0	0.0	0.0	NORMALE
48	211539056984	8.0	0.0	8.0	RATTRAPAGE
49	191439056971	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 18 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن°

Matière: TP Antennes et Cannaux de Transmission / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	0.0	16.0	16.0	NORMALE
3	181839063296	0.0	17.0	17.0	NORMALE
4	171734026249	0.0	16.0	16.0	NORMALE
5	171739066187	0.0	16.0	16.0	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	0.0	16.0	16.0	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	0.0	16.0	16.0	NORMALE
12	181839064551	0.0	16.0	16.0	NORMALE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	0.0	17.0	17.0	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	0.0	0.0	0.0	NORMALE
17	18129045722	0.0	0.0	0.0	NORMALE
18	181839063188	0.0	15.0	15.0	NORMALE
19	181839064935	0.0	17.0	17.0	NORMALE
20	171739081848	0.0	0.0	0.0	NORMALE
21	181839070232	0.0	17.0	17.0	NORMALE
22	181839066569	0.0	15.0	15.0	NORMALE
23	20079065601	0.0	16.0	16.0	NORMALE
24	181839063197	0.0	16.0	16.0	NORMALE
25	181839068981	0.0	15.0	15.0	NORMALE
26	181839062905	0.0	15.0	15.0	NORMALE
27	21940801758	0.0	17.0	17.0	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	0.0	0.0	NORMALE
34	171739075159	0.0	16.0	16.0	NORMALE
35	181839062959	0.0	16.0	16.0	NORMALE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	0.0	16.0	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	13.0	13.0	NORMALE
42	191439056120	0.0	16.0	16.0	NORMALE
43	211539067633	0.0	16.0	16.0	NORMALE
44	161539065885	0.0	0.0	0.0	NORMALE
45	211439065846	0.0	16.0	16.0	NORMALE
46	211539071992	0.0	16.0	16.0	NORMALE
47	151539083649	0.0	17.0	17.0	NORMALE

Signature de l'enseignant:

Le:

Page 19 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن

Matière: TP Antennes et Cannaux de Transmission / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

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

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن°

Matière: TP Antennes et Cannaux de Transmission / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	0.0	0.0	NORMALE
2	171739067109	0.0	16.0	16.0	NORMALE
3	171739074382	0.0	12.0	12.0	NORMALE
4	181839064932	0.0	16.0	16.0	NORMALE
5	161639070040	0.0	12.0	12.0	NORMALE
6	171739081356	0.0	16.0	16.0	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	0.0	0.0	0.0	NORMALE
9	171739069093	0.0	16.0	16.0	NORMALE
10	181839070798	0.0	17.0	17.0	NORMALE
11	181839066432	0.0	15.0	15.0	NORMALE
12	20924202004	0.0	16.0	16.0	NORMALE
13	181839066514	0.0	16.0	16.0	NORMALE
14	171739066136	0.0	17.0	17.0	NORMALE
15	181839068228	0.0	0.0	0.0	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	0.0	16.0	16.0	NORMALE
18	161639066778	0.0	0.0	0.0	NORMALE
19	171739071825	0.0	0.0	0.0	NORMALE
20	181839065384	0.0	17.0	17.0	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	0.0	0.0	NORMALE
28	181839063731	0.0	16.0	16.0	NORMALE
29	181839066273	0.0	16.0	16.0	NORMALE
30	181839070304	0.0	16.0	16.0	NORMALE
31	181839063949	0.0	16.0	16.0	NORMALE
32	181839063046	0.0	16.0	16.0	NORMALE
33	181839066623	0.0	15.0	15.0	NORMALE
34	181839073674	0.0	16.0	16.0	NORMALE
35	181839063294	0.0	15.0	15.0	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	0.0	17.0	17.0	NORMALE
40	21129049282	0.0	17.0	17.0	NORMALE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	0.0	17.0	17.0	NORMALE
44	181339048044	0.0	16.0	16.0	NORMALE
45	201539064865	0.0	13.0	13.0	NORMALE
46	21109042445	0.0	16.0	16.0	NORMALE
47	161539067987	0.0	12.0	12.0	NORMALE
48	211539056984	0.0	17.0	17.0	NORMALE
49	191439056971	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 21 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن°

Matière: TP Codage et Compression / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	0.0	15.0	15.0	NORMALE
3	181839063296	0.0	15.0	15.0	NORMALE
4	171734026249	0.0	15.0	15.0	NORMALE
5	171739066187	0.0	15.0	15.0	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	0.0	0.0	0.0	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	0.0	15.0	15.0	NORMALE
12	181839064551	0.0	15.0	15.0	NORMALE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	0.0	15.0	15.0	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	0.0	18.0	18.0	NORMALE
17	18129045722	0.0	0.0	0.0	NORMALE
18	181839063188	0.0	15.0	15.0	NORMALE
19	181839064935	0.0	0.0	0.0	NORMALE
20	171739081848	0.0	15.0	15.0	NORMALE
21	181839070232	0.0	15.0	15.0	NORMALE
22	181839066569	0.0	15.0	15.0	NORMALE
23	20079065601	0.0	15.0	15.0	NORMALE
24	181839063197	0.0	15.0	15.0	NORMALE
25	181839068981	0.0	0.0	0.0	NORMALE
26	181839062905	0.0	0.0	0.0	NORMALE
27	21940801758	0.0	15.0	15.0	NORMALE
28	181839063837	0.0	15.0	15.0	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	15.0	15.0	NORMALE
34	171739075159	0.0	15.0	15.0	NORMALE
35	181839062959	0.0	15.0	15.0	NORMALE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	0.0	15.0	15.0	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	0.0	15.0	15.0	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	10.0	10.0	NORMALE
47	151539083649	0.0	15.0	15.0	NORMALE

Signature de l'enseignant:

Le:

Page 22 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

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

Matière: TP Codage et Compression / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	0.0	15.0	15.0	NORMALE
2	181839073590	0.0	15.0	15.0	NORMALE
3	181839063906	0.0	0.0	0.0	NORMALE
4	181439064369	7.0	7.0	7.0	NORMALE
5	171739071347	0.0	0.0	0.0	NORMALE
6	161639071910	0.0	15.0	15.0	NORMALE
7	181839064026	0.0	15.0	15.0	NORMALE
8	181839066405	0.0	15.0	15.0	NORMALE
9	171739066108	0.0	15.0	15.0	NORMALE
10	181839062844	0.0	15.0	15.0	NORMALE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	0.0	15.0	15.0	NORMALE
13	161639071359	10.0	10.0	10.0	NORMALE
14	171739068696	0.0	0.0	0.0	NORMALE
15	181839063221	0.0	15.0	15.0	NORMALE
16	181839064938	0.0	15.0	15.0	NORMALE
17	171739074369	0.0	0.0	0.0	NORMALE
18	161639077312	0.0	0.0	0.0	NORMALE
19	181839070790	0.0	15.0	15.0	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	0.0	0.0	NORMALE
22	181839071174	0.0	15.0	15.0	NORMALE
23	161639065819	0.0	15.0	15.0	NORMALE
24	181839065695	0.0	15.0	15.0	NORMALE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	0.0	15.0	15.0	NORMALE
28	181839064876	0.0	15.0	15.0	NORMALE
29	181839065319	0.0	15.0	15.0	NORMALE
30	181839066512	0.0	15.0	15.0	NORMALE
31	171739081236	10.0	10.0	10.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	0.0	15.0	15.0	NORMALE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	0.0	15.0	15.0	NORMALE
36	181539066921	9.0	9.0	9.0	NORMALE
37	181839063193	0.0	15.0	15.0	NORMALE
38	181839067154	0.0	15.0	15.0	NORMALE
39	171739066278	0.0	0.0	0.0	NORMALE
40	171739073493	10.0	10.0	10.0	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	0.0	15.0	15.0	NORMALE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	0.0	15.0	15.0	NORMALE
46	211439056649	0.0	0.0	0.0	NORMALE

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09 ن°

Matière: TP Codage et Compression / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	0.0	0.0	NORMALE
2	171739067109	0.0	15.0	15.0	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	0.0	15.0	15.0	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	0.0	15.0	15.0	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	0.0	15.0	15.0	NORMALE
9	171739069093	0.0	15.0	15.0	NORMALE
10	181839070798	0.0	15.0	15.0	NORMALE
11	181839066432	0.0	15.0	15.0	NORMALE
12	20924202004	0.0	15.0	15.0	NORMALE
13	181839066514	0.0	15.0	15.0	NORMALE
14	171739066136	0.0	15.0	15.0	NORMALE
15	181839068228	0.0	0.0	0.0	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	0.0	15.0	15.0	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	15.0	15.0	NORMALE
28	181839063731	0.0	15.0	15.0	NORMALE
29	181839066273	0.0	15.0	15.0	NORMALE
30	181839070304	0.0	15.0	15.0	NORMALE
31	181839063949	0.0	15.0	15.0	NORMALE
32	181839063046	0.0	15.0	15.0	NORMALE
33	181839066623	0.0	15.0	15.0	NORMALE
34	181839073674	0.0	15.0	15.0	NORMALE
35	181839063294	0.0	15.0	15.0	NORMALE
36	181839065184	0.0	15.0	15.0	NORMALE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	0.0	15.0	15.0	NORMALE
40	21129049282	0.0	15.0	15.0	NORMALE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	0.0	15.0	15.0	NORMALE
44	181339048044	0.0	15.0	15.0	NORMALE
45	201539064865	0.0	15.0	15.0	NORMALE
46	21109042445	0.0	15.0	15.0	NORMALE
47	161539067987	11.0	11.0	11.0	NORMALE
48	211539056984	0.0	10.0	10.0	NORMALE
49	191439056971	11.0	11.0	11.0	NORMALE



2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09

Matière: TP Traitement Numérique du signal / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	0.0	18.0	18.0	NORMALE
3	181839063296	0.0	12.0	12.0	NORMALE
4	171734026249	0.0	17.0	17.0	NORMALE
5	171739066187	0.0	16.0	16.0	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	0.0	9.5	9.5	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	0.0	15.5	15.5	NORMALE
12	181839064551	0.0	14.0	14.0	NORMALE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	0.0	16.0	16.0	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	0.0	12.5	12.5	NORMALE
17	18129045722	0.0	3.5	3.5	NORMALE
18	181839063188	0.0	13.0	13.0	NORMALE
19	181839064935	0.0	16.0	16.0	NORMALE
20	171739081848	0.0	12.5	12.5	NORMALE
21	181839070232	0.0	13.0	13.0	NORMALE
22	181839066569	0.0	11.5	11.5	NORMALE
23	20079065601	0.0	17.5	17.5	NORMALE
24	181839063197	0.0	16.0	16.0	NORMALE
25	181839068981	0.0	8.5	8.5	NORMALE
26	181839062905	0.0	13.0	13.0	NORMALE
27	21940801758	0.0	16.0	16.0	NORMALE
28	181839063837	0.0	15.5	15.5	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	13.0	13.0	NORMALE
35	181839062959	0.0	13.0	13.0	NORMALE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	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	17.5	17.5	NORMALE
43	211539067633	0.0	13.5	13.5	NORMALE
44	161539065885	0.0	11.0	11.0	NORMALE
45	211439065846	0.0	14.5	14.5	NORMALE
46	211539071992	0.0	10.0	10.0	NORMALE
47	151539083649	0.0	14.5	14.5	NORMALE

Signature de l'enseignant:

Le:

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09

Matière: TP Traitement Numérique du signal / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	0.0	16.5	16.5	NORMALE
2	181839073590	0.0	11.0	11.0	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	8.0	8.0	NORMALE
7	181839064026	0.0	12.5	12.5	NORMALE
8	181839066405	0.0	13.0	13.0	NORMALE
9	171739066108	0.0	14.0	14.0	NORMALE
10	181839062844	0.0	14.0	14.0	NORMALE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	0.0	11.0	11.0	NORMALE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	0.0	6.0	6.0	NORMALE
15	181839063221	0.0	3.5	3.5	NORMALE
16	181839064938	0.0	12.0	12.0	NORMALE
17	171739074369	0.0	0.0	0.0	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	0.0	0.0	NORMALE
22	181839071174	0.0	8.5	8.5	NORMALE
23	161639065819	0.0	12.0	12.0	NORMALE
24	181839065695	0.0	16.5	16.5	NORMALE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	0.0	15.0	15.0	NORMALE
28	181839064876	0.0	12.0	12.0	NORMALE
29	181839065319	0.0	11.0	11.0	NORMALE
30	181839066512	0.0	12.0	12.0	NORMALE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	0.0	12.5	12.5	NORMALE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	0.0	11.0	11.0	NORMALE
36	181539066921	0.0	12.0	12.0	NORMALE
37	181839063193	0.0	12.5	12.5	NORMALE
38	181839067154	0.0	11.0	11.0	NORMALE
39	171739066278	0.0	8.5	8.5	NORMALE
40	171739073493	0.0	10.0	10.0	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	0.0	12.5	12.5	NORMALE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	0.0	8.5	8.5	NORMALE
46	211439056649	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 26 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: TP Traitement Numérique du signal / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	3.5	3.5	NORMALE
2	171739067109	0.0	12.0	12.0	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	0.0	14.0	14.0	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	0.0	14.5	14.5	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	0.0	0.0	0.0	NORMALE
9	171739069093	0.0	13.0	13.0	NORMALE
10	181839070798	0.0	8.5	8.5	NORMALE
11	181839066432	0.0	11.5	11.5	NORMALE
12	20924202004	0.0	14.5	14.5	NORMALE
13	181839066514	0.0	12.5	12.5	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	12.5	12.5	NORMALE
18	161639066778	0.0	0.0	0.0	NORMALE
19	171739071825	0.0	0.0	0.0	NORMALE
20	181839065384	0.0	12.5	12.5	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	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	13.0	13.0	NORMALE
28	181839063731	0.0	13.5	13.5	NORMALE
29	181839066273	0.0	11.5	11.5	NORMALE
30	181839070304	0.0	16.0	16.0	NORMALE
31	181839063949	0.0	11.5	11.5	NORMALE
32	181839063046	0.0	14.5	14.5	NORMALE
33	181839066623	0.0	11.5	11.5	NORMALE
34	181839073674	0.0	10.0	10.0	NORMALE
35	181839063294	0.0	13.0	13.0	NORMALE
36	181839065184	0.0	14.5	14.5	NORMALE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	0.0	14.0	14.0	NORMALE
40	21129049282	0.0	6.5	6.5	NORMALE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	0.0	6.5	6.5	NORMALE
44	181339048044	0.0	10.0	10.0	NORMALE
45	201539064865	0.0	12.5	12.5	NORMALE
46	21109042445	0.0	15.5	15.5	NORMALE
47	161539067987	0.0	11.0	11.0	NORMALE
48	211539056984	0.0	9.5	9.5	NORMALE
49	191439056971	0.0	12.0	12.0	NORMALE

Signature de l'enseignant:

Le:

Page 27 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Traitement d'images / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	10.0	16.0	12.4	NORMALE
3	181839063296	16.0	15.0	15.6	RATTRAPAGE
4	171734026249	10.0	13.0	11.2	NORMALE
5	171739066187	10.0	15.5	12.2	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	11.25	11.0	11.15	RATTRAPAGE
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	13.0	14.5	13.6	RATTRAPAGE
12	181839064551	14.0	10.0	12.4	RATTRAPAGE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	13.0	16.0	14.2	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	15.5	17.0	16.1	NORMALE
17	18129045722	0.0	0.0	0.0	NORMALE
18	181839063188	13.0	10.5	12.0	RATTRAPAGE
19	181839064935	10.0	13.0	11.2	NORMALE
20	171739081848	10.0	11.5	10.6	NORMALE
21	181839070232	10.0	10.0	10.0	NORMALE
22	181839066569	8.0	12.0	9.6	RATTRAPAGE
23	20079065601	10.0	16.0	12.4	NORMALE
24	181839063197	16.0	14.5	15.4	RATTRAPAGE
25	181839068981	10.0	10.0	10.0	RATTRAPAGE
26	181839062905	11.0	10.5	10.8	RATTRAPAGE
27	21940801758	14.0	16.0	14.8	NORMALE
28	181839063837	16.0	14.0	15.2	RATTRAPAGE
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	12.0	14.0	12.8	NORMALE
34	171739075159	10.5	10.0	10.3	RATTRAPAGE
35	181839062959	6.0	14.5	9.4	NORMALE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	12.5	14.0	13.1	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	10.0	12.4	RATTRAPAGE
43	211539067633	14.5	14.5	14.5	RATTRAPAGE
44	161539065885	0.0	0.0	0.0	NORMALE
45	211439065846	10.0	15.5	12.2	NORMALE
46	211539071992	14.5	10.0	12.7	RATTRAPAGE
47	151539083649	10.0	14.5	11.8	NORMALE

2021/2022

Filière: télécommunications  
systèmes des télécommunications

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

Matière: Traitement d'images / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	12.0	15.0	13.2	NORMALE
2	181839073590	4.5	15.0	8.7	NORMALE
3	181839063906	0.0	0.0	0.0	NORMALE
4	181439064369	15.6	15.6	15.6	NORMALE
5	171739071347	0.0	0.0	0.0	NORMALE
6	161639071910	10.0	15.0	12.0	NORMALE
7	181839064026	12.75	15.0	13.65	RATTRAPAGE
8	181839066405	12.0	15.0	13.2	RATTRAPAGE
9	171739066108	16.0	15.0	15.6	RATTRAPAGE
10	181839062844	16.0	15.0	15.6	RATTRAPAGE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	11.0	15.0	12.6	NORMALE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	5.5	0.0	3.3	NORMALE
15	181839063221	8.25	15.0	10.95	NORMALE
16	181839064938	14.25	15.0	14.55	RATTRAPAGE
17	171739074369	0.0	0.0	0.0	NORMALE
18	161639077312	0.0	0.0	0.0	NORMALE
19	181839070790	11.0	15.0	12.6	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	0.0	0.0	NORMALE
22	181839071174	6.0	15.0	9.6	NORMALE
23	161639065819	7.0	15.0	10.2	RATTRAPAGE
24	181839065695	11.25	15.0	12.75	RATTRAPAGE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	14.0	15.0	14.4	NORMALE
28	181839064876	10.0	15.0	12.0	NORMALE
29	181839065319	13.5	15.0	14.1	RATTRAPAGE
30	181839066512	11.0	15.0	12.6	RATTRAPAGE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	10.0	15.0	12.0	RATTRAPAGE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	10.0	15.0	12.0	NORMALE
36	181539066921	16.0	16.0	16.0	NORMALE
37	181839063193	16.0	15.0	15.6	RATTRAPAGE
38	181839067154	13.25	15.0	13.95	RATTRAPAGE
39	171739066278	3.0	0.0	1.8	NORMALE
40	171739073493	12.15	12.15	12.15	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	16.0	15.0	15.6	RATTRAPAGE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	14.5	15.0	14.7	RATTRAPAGE
46	211439056649	0.0	0.0	0.0	NORMALE

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Traitement d'images / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	0.0	0.0	NORMALE
2	171739067109	12.0	12.0	12.0	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	10.0	14.0	11.6	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	10.0	18.0	13.2	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	8.0	5.0	6.8	RATTRAPAGE
9	171739069093	12.0	11.5	11.8	NORMALE
10	181839070798	14.5	6.0	11.1	RATTRAPAGE
11	181839066432	13.0	12.0	12.6	RATTRAPAGE
12	20924202004	10.0	11.0	10.4	NORMALE
13	181839066514	14.5	18.0	15.9	NORMALE
14	171739066136	10.0	12.5	11.0	NORMALE
15	181839068228	4.0	0.0	2.4	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	12.0	13.0	12.4	NORMALE
18	161639066778	0.0	0.0	0.0	NORMALE
19	171739071825	0.0	0.0	0.0	NORMALE
20	181839065384	10.0	12.0	10.8	NORMALE
21	181839072331	0.0	0.0	0.0	NORMALE
22	171739065200	0.0	0.0	0.0	NORMALE
23	181839064460	7.75	0.0	4.65	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	10.0	11.0	10.4	NORMALE
28	181839063731	11.25	12.0	11.55	RATTRAPAGE
29	181839066273	10.0	13.0	11.2	NORMALE
30	181839070304	10.0	14.0	11.6	NORMALE
31	181839063949	10.0	11.0	10.4	NORMALE
32	181839063046	10.0	10.5	10.2	NORMALE
33	181839066623	10.0	13.0	11.2	NORMALE
34	181839073674	11.0	15.0	12.6	NORMALE
35	181839063294	7.0	10.5	8.4	NORMALE
36	181839065184	10.0	11.0	10.4	NORMALE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	10.0	11.0	10.4	NORMALE
40	21129049282	11.5	12.0	11.7	RATTRAPAGE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	10.0	11.0	10.4	NORMALE
44	181339048044	12.0	14.0	12.8	NORMALE
45	201539064865	12.6	12.6	12.6	NORMALE
46	21109042445	10.0	15.0	12.0	NORMALE
47	161539067987	10.85	10.85	10.85	NORMALE
48	211539056984	10.0	11.0	10.4	NORMALE
49	191439056971	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 30 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de

قرار رقم 1212 المؤرخ في 09

Matière: Traitement Numérique du signal / Section A / 1

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	171739070483	0.0	0.0	0.0	NORMALE
2	181839053419	2.0	5.0	3.2	NORMALE
3	181839063296	1.0	5.0	2.6	NORMALE
4	171734026249	1.0	5.0	2.6	NORMALE
5	171739066187	2.0	6.0	3.6	NORMALE
6	181839066502	0.0	0.0	0.0	NORMALE
7	181839070813	1.0	6.0	3.0	NORMALE
8	161639071229	0.0	0.0	0.0	NORMALE
9	161639073179	0.0	0.0	0.0	NORMALE
10	181839068253	1.0	0.0	0.6	NORMALE
11	181839080042	2.0	4.0	2.8	NORMALE
12	181839064551	1.0	6.0	3.0	NORMALE
13	161639076224	0.0	0.0	0.0	NORMALE
14	2098823221	10.0	15.0	12.0	NORMALE
15	161639078751	0.0	0.0	0.0	NORMALE
16	181839063962	1.0	4.0	2.2	NORMALE
17	18129045722	0.0	0.0	0.0	NORMALE
18	181839063188	1.0	5.0	2.6	NORMALE
19	181839064935	4.0	7.0	5.2	NORMALE
20	171739081848	1.0	3.0	1.8	NORMALE
21	181839070232	2.0	5.0	3.2	RATTRAPAGE
22	181839066569	1.0	4.0	2.2	NORMALE
23	20079065601	3.0	5.0	3.8	NORMALE
24	181839063197	1.0	5.0	2.6	NORMALE
25	181839068981	1.0	2.0	1.4	NORMALE
26	181839062905	2.0	4.0	2.8	NORMALE
27	21940801758	10.0	13.0	11.2	NORMALE
28	181839063837	5.0	5.0	5.0	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	1.0	7.0	3.4	NORMALE
34	171739075159	3.0	5.0	3.8	NORMALE
35	181839062959	3.0	5.0	3.8	NORMALE
36	181839072271	0.0	0.0	0.0	NORMALE
37	181839067107	0.0	0.0	0.0	NORMALE
38	181839070644	4.0	6.0	4.8	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	7.0	5.0	6.2	RATTRAPAGE
43	211539067633	10.0	10.0	10.0	RATTRAPAGE
44	161539065885	0.0	0.0	0.0	NORMALE
45	211439065846	7.0	10.0	8.2	NORMALE
46	211539071992	5.0	8.0	6.2	RATTRAPAGE
47	151539083649	10.0	15.0	12.0	NORMALE

Signature de l'enseignant:

Le:

Page 31 sur 33

2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Traitement Numérique du signal / Section A / 2

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	181839062960	2.0	5.0	3.2	NORMALE
2	181839073590	3.0	5.0	3.8	NORMALE
3	181839063906	0.0	2.0	0.8	NORMALE
4	181439064369	0.0	0.0	0.0	NORMALE
5	171739071347	0.0	0.0	0.0	NORMALE
6	161639071910	2.0	4.0	2.8	NORMALE
7	181839064026	5.0	8.0	6.2	RATTRAPAGE
8	181839066405	2.0	4.0	2.8	NORMALE
9	171739066108	2.0	5.0	3.2	NORMALE
10	181839062844	2.0	5.0	3.2	NORMALE
11	181839072274	0.0	0.0	0.0	NORMALE
12	181839068438	1.0	4.0	2.2	NORMALE
13	161639071359	0.0	0.0	0.0	NORMALE
14	171739068696	1.0	0.0	0.6	NORMALE
15	181839063221	2.0	4.0	2.8	RATTRAPAGE
16	181839064938	2.0	3.0	2.4	NORMALE
17	171739074369	0.0	0.0	0.0	NORMALE
18	161639077312	0.0	0.0	0.0	NORMALE
19	181839070790	4.0	6.0	4.8	NORMALE
20	171739082293	0.0	0.0	0.0	NORMALE
21	21089053287	0.0	4.0	1.6	NORMALE
22	181839071174	1.0	3.0	1.8	NORMALE
23	161639065819	2.0	3.0	2.4	NORMALE
24	181839065695	2.0	3.0	2.4	NORMALE
25	181839062925	0.0	0.0	0.0	NORMALE
26	161639077178	0.0	0.0	0.0	NORMALE
27	20922006034	10.0	15.0	12.0	NORMALE
28	181839064876	5.0	3.0	4.2	RATTRAPAGE
29	181839065319	10.0	6.0	8.4	RATTRAPAGE
30	181839066512	7.0	5.0	6.2	RATTRAPAGE
31	171739081236	0.0	0.0	0.0	NORMALE
32	161639069121	0.0	0.0	0.0	NORMALE
33	181839063711	1.0	5.0	2.6	NORMALE
34	20089057818	0.0	0.0	0.0	NORMALE
35	171739064575	2.0	7.0	4.0	NORMALE
36	181539066921	0.0	0.0	0.0	NORMALE
37	181839063193	2.0	5.0	3.2	NORMALE
38	181839067154	3.0	5.0	3.8	NORMALE
39	171739066278	1.0	2.0	1.4	NORMALE
40	171739073493	0.0	0.0	0.0	NORMALE
41	181839066575	0.0	0.0	0.0	NORMALE
42	211539069995	2.0	4.0	2.8	NORMALE
43	191439056247	0.0	0.0	0.0	NORMALE
44	211539066202	0.0	0.0	0.0	NORMALE
45	161539076282	4.0	2.0	3.2	NORMALE
46	211439056649	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 32 sur 33



2021/2022

Filière: télécommunications  
systèmes des télécommunications

Niveau: Arrêté d'habilitation de l'offre de قرار رقم 1212 المؤرخ في 09 ن°

Matière: Traitement Numérique du signal / Section A / 3

**PV de délibération par matière (Session Rattrapage)**

#	Matricule	Examen	CC	MG	Session
1	161639077464	0.0	2.0	0.8	NORMALE
2	171739067109	8.0	12.0	9.6	NORMALE
3	171739074382	0.0	0.0	0.0	NORMALE
4	181839064932	2.0	5.0	3.2	NORMALE
5	161639070040	0.0	0.0	0.0	NORMALE
6	171739081356	6.0	6.0	6.0	NORMALE
7	161639071822	0.0	0.0	0.0	NORMALE
8	181839069846	1.0	3.0	1.8	NORMALE
9	171739069093	3.0	4.0	3.4	NORMALE
10	181839070798	2.0	3.0	2.4	NORMALE
11	181839066432	5.0	5.0	5.0	RATTRAPAGE
12	20924202004	10.0	15.0	12.0	NORMALE
13	181839066514	11.0	17.0	13.4	NORMALE
14	171739066136	1.0	5.0	2.6	NORMALE
15	181839068228	0.0	2.0	0.8	NORMALE
16	171739064749	0.0	0.0	0.0	NORMALE
17	181839062946	5.0	7.0	5.8	NORMALE
18	161639066778	0.0	0.0	0.0	NORMALE
19	171739071825	0.0	0.0	0.0	NORMALE
20	181839065384	8.0	6.0	7.2	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	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	3.0	2.4	NORMALE
28	181839063731	2.0	5.0	3.2	NORMALE
29	181839066273	5.0	8.0	6.2	RATTRAPAGE
30	181839070304	7.0	11.0	8.6	NORMALE
31	181839063949	1.0	6.0	3.0	NORMALE
32	181839063046	1.0	3.0	1.8	NORMALE
33	181839066623	4.0	5.0	4.4	NORMALE
34	181839073674	5.0	4.0	4.6	RATTRAPAGE
35	181839063294	2.0	4.0	2.8	NORMALE
36	181839065184	2.0	3.0	2.4	NORMALE
37	171739066639	0.0	0.0	0.0	NORMALE
38	181839063194	0.0	0.0	0.0	NORMALE
39	171739083868	2.0	5.0	3.2	RATTRAPAGE
40	21129049282	7.0	8.0	7.4	NORMALE
41	161539066411	0.0	0.0	0.0	NORMALE
42	161439056117	0.0	0.0	0.0	NORMALE
43	211539079128	10.0	8.0	9.2	RATTRAPAGE
44	181339048044	3.0	12.0	6.6	NORMALE
45	201539064865	2.0	4.0	2.8	NORMALE
46	21109042445	2.0	3.0	2.4	NORMALE
47	161539067987	0.0	2.0	0.8	NORMALE
48	211539056984	4.0	4.0	4.0	RATTRAPAGE
49	191439056971	0.0	0.0	0.0	NORMALE

Signature de l'enseignant:

Le:

Page 33 sur 33













































































