

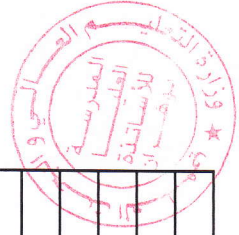
Ecole Normale Supérieure d'Oran

Année Universitaire : 2015/2016 2 éme Année PES Mathématique

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Résultat Final du Module : Analyse 2

N°	NOM	PRENOM	DAT_NAI	ETAT	EMD1	EMD2	Moy CC	Synth	Moy Sy	Sup Sy	rat	Moy R	Moy
1	ACHRATI	DHIAA HOUDDA	08/11/1994		08,5								
2	ADDA	KARIMA	25/04/1995		07,5								
3	AMARA	MOHAMMED YUCEF	10/06/1995										
4	AYAD	SAMIA	09/09/1995		12,5								
5	BELDJILALI	NOUR EL HOUDA	07/12/1995		08,75								
6	BELFARH	FATIMA ZAHRA	14/02/1995		14,25								
7	BELHADEF	AHLEM	24/11/1995		11,5								
8	Beloudane	Rahma	06/04/1995		14,5								
9	BENABBOU	NOUREDDINE	07/01/1995		15,5								
10	BENCHERJET	AMEL	11/11/1995		03								
11	BENGHENIMA	IMANE	15/07/1995		13,75								
12	Benghia	Batoul	31/03/1996		11								
13	BENNOUR	ABDELLATIF	24/09/1995		16								
14	Bensahla	Radhia	05/04/1994		09,5								
15	BOBOT	CHAIMAA	10/12/1995		12,25								
16	BOUCHAMA	SARAH	25/10/1992		10								
17	BOUDJEMA	HASSIBA	30/07/1995		08,5								
18	BOUKAAZA	SOUAD	22/09/1995		11								
19	BOUKHARI	HOURLA	27/07/1995		11								
20	BOURAHILA	HAFSA	21/09/1995		13,75								
21	BOUZERDAB	AICHA	22/06/1995		08								
22	BOUZIANE	YEHIA	03/11/1995		10,75								



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23	BOUZIANE	RAHMA	20/08/1995	0625					
24	CHACHOUA	YASMINE	02/08/1995	1115					
25	CHERIFI	OMAR	07/05/1995	0515					
26	DAAOU	CHAIMAA	11/12/1995	1525					
27	DAFFI	NESRINE	13/01/1995	0915					
28	DJAFRI	SOUMAYA	13/07/1995	13					
29	FARES	HANANE	25/10/1995	10					
30	FATAH	WASSILA	18/03/1995	1215					
31	Ferrani	CHAIMAA	23/10/1995	1315					
32	GHARBI	MERIEB	23/01/1994	10					
33	HADJ ALI	MERIEB	17/05/1995	18					
34	HADJADJ	SOMIA	28/07/1995	08					
35	Halal	Badra	01/01/1995	13					
36	Hameurlaine	FAIROUZ	21/07/1996	0715					
37	HAMMOUDA	DOUNIA	14/04/1995	0515					
38	HAMOUDI	AMINA	18/03/1993						
39	Ikhlef	Ferial	13/12/1995	10					
40	KADRI	HANENE	02/01/1995	0715					
41	KERMOUZI	WISSAM	02/08/1995	0815					
42	KHALDI	RAHIMA	29/06/1995	1315					
43	MAZARI	AFIFA	06/01/1995	13					
44	Mehimda	Hanane	28/10/1995	1115					
45	MEKHFI	MOHSINE	18/05/1995						
46	MERAH	SARA	06/07/1993	12					
47	MESBAH	FAIROUZ	13/01/1996	1215					
48	NADJI	ASSIA	15/05/1995	1615					
49	RABHI	ABD ESSAMAD	20/01/1996	1415					
50	REDJEM	YASMINE	30/11/1994	1415					
51	Sadji	FATIMA ZAHRA	27/12/1995	0715					
52	Sayah	Soraya	09/03/1995	1315					
53	SLIMANI	ABDALLAH	16/12/1995	10					
54	TELLI	ZINEB	20/09/1995	0815					
55	ZANNAN	FATMA	17/09/1994	17					

التمرين 01 $\frac{0.5}{0.1}$
 دراسة متسلسلة الحدود، التفاضل والتكامل
 (1) $\sum_{n=1}^{\infty} \left(\frac{n+1}{2n-1}\right)^{2n} a^n$ $a > 0$ 0.1 \rightarrow $l = \frac{a}{4}$ 0.1
 (2) المتسلسلة 0.1

(2) $I_x = \int x (1 - e^{-\frac{1}{x}}) dx$
 (1) $\lim_{x \rightarrow \infty} I_x = \infty$
 (2) 0.2 0.1 0.1

التمرين 02 $\frac{0.5}{0.1}$
 دراسة متسلسلة الحدود، التفاضل والتكامل
 (I) $\sum_{n=1}^{\infty} \frac{(-1)^n}{\sqrt{n}}$ 0.1 0.1 0.1 0.1
 (II) $V_n = \sum_{k=1}^n \frac{(-1)^k}{\sqrt{k}} + \frac{1}{n}$ 0.1

(III) $\lim_{n \rightarrow \infty} \frac{u_n}{v_n} = 1$
 (1) 0.1 0.1 0.1 0.1 0.1 0.1
 (2) 0.1 0.1 0.1 0.1 0.1 0.1

التمرين 03 $\frac{0.1}{0.1}$
 (1) $f_n(x) = \frac{x^n}{[0,1]}$ $f(x) = 0$ 0.1
 (2) \sup $0 < x < 1$ 0.1 0.1 0.1 0.1

(1) f_n متسلسلة باسكال $[0,1]$ $f(x) = \frac{x^{n+1}}{n+1}$ 0.1
 $\lim_{n \rightarrow \infty} f_n(x) = (f_n(x))' = f'(x)$

0.1 $\lim_{n \rightarrow \infty} f_n(0) \neq f'(0)$

التمرين 04 $\frac{0.1}{0.1}$
 (1) $\lim_{n \rightarrow \infty} \sup$ 0.1 0.1 0.1 0.1 0.1 0.1

$$\textcircled{ON} \rightarrow \tilde{z} \text{ ist ein } \sum_{n+1}^{n+1} \text{ (Limes)}$$

$$\textcircled{ON} \rightarrow \nabla(n) = \int_0^t s(t) dt \quad L \rightarrow \rightarrow c L$$