

|                                  | B001D0001M                                 |            |           |        | B001F0001M                           |            |           |                                  | B001F0002M |           |                        |            | B00N00001M |                                     |            |           | B001F0001M          |       |    |    | Moyenne du Semestre |
|----------------------------------|--------------------------------------------|------------|-----------|--------|--------------------------------------|------------|-----------|----------------------------------|------------|-----------|------------------------|------------|------------|-------------------------------------|------------|-----------|---------------------|-------|----|----|---------------------|
|                                  | Nouvelles decouvertes des superconducteurs | Moyenne UE | Credit UE | Requis | Proprietes Physiques des solides (1) | Moyenne UE | Credit UE | Physique statistique approfondie | Moyenne UE | Credit UE | Applications de la TIC | Moyenne UE | Credit UE  | Anglais scientifique et technique 1 | Moyenne UE | Credit UE | Credits du Semestre |       |    |    |                     |
| 1 - BEKHOUCHE YOUSRA             | 181836025379                               | 1.0        | 00        | 6.88   | 8.75                                 | 7.82       | 00        | 8.5                              | 3.5        | 6.0       | 00                     | 5.0        | 11.25      | 8.13                                | 04         | 5.0       | 13.5                | 9.25  | 01 | 05 | 7.15                |
| 2 - BEN NECIB AMIRA              | 202036023019                               | 15.0       | 01        | 16.5   | 11.25                                | 13.88      | 09        | 15.25                            | 13.7       | 14.48     | 09                     | 13.5       | 14.5       | 14.0                                | 09         | 18.5      | 12.5                | 15.5  | 02 | 30 | 14.26               |
| 3 - BENNAADIA Loubena            | 202036024242                               | 12.0       | 01        | 11.75  | 11.25                                | 11.5       | 09        | 9.75                             | 9.5        | 9.63      | 00                     | 10.5       | 10.0       | 10.25                               | 09         | 9.0       | 17.0                | 13.0  | 02 | 30 | 10.9                |
| 4 - BOUCHAIB Radia               | 131336025622                               | 13.0       | 01        | 9.13   | 13.0                                 | 11.07      | 09        | 10.75                            | 6.75       | 8.75      | 05                     | 10.0       | 11.25      | 10.63                               | 09         | 0.0       | 10.0                | 5.0   | 01 | 25 | 9.65                |
| 5 - DIARBECH FAHMAT              | 23084021488                                | 0.0        | 00        | 0.0    | 0.0                                  | 0.0        | 00        | 0.0                              | 0.0        | 0.0       | 00                     | 0.0        | 0.0        | 0.0                                 | 00         | 0.0       | 0.0                 | 0.0   | 00 | 00 | 0.0                 |
| 6 - GRIMET SOUMAIYA              | 202036022721                               | 13.0       | 01        | 10.63  | 9.0                                  | 9.82       | 04        | 10.5                             | 7.7        | 9.1       | 05                     | 11.0       | 10.0       | 10.5                                | 09         | 9.0       | 11.5                | 10.25 | 02 | 30 | 10.08               |
| 7 - HAMLA ZINEB SOUHIA INES      | 181836025816                               | 15.0       | 01        | 10.0   | 11.13                                | 10.57      | 09        | 10.75                            | 6.75       | 8.75      | 05                     | 8.0        | 14.25      | 11.13                               | 09         | 13.0      | 13.0                | 13.0  | 02 | 30 | 10.83               |
| 8 - MOGHAT Chaima                | 171736031165                               | 1.0        | 00        | 9.5    | 11.0                                 | 10.25      | 09        | 10.0                             | 6.25       | 8.13      | 05                     | 7.0        | 10.0       | 8.5                                 | 04         | 10.0      | 12.5                | 11.25 | 02 | 20 | 8.5                 |
| 9 - NAIT HAMMOU MALEK            | 202036018918                               | 13.0       | 01        | 10.25  | 11.0                                 | 10.63      | 09        | 8.25                             | 1.75       | 5.0       | 00                     | 12.5       | 10.75      | 11.63                               | 09         | 12.0      | 12.5                | 12.25 | 02 | 21 | 9.77                |
| 10 - NEZAR KEBALI MOHAMMED SALEH | 202036023134                               | 16.0       | 01        | 14.5   | 15.5                                 | 15.0       | 09        | 12.5                             | 9.2        | 10.85     | 09                     | 11.5       | 14.5       | 13.0                                | 09         | 19.0      | 17.0                | 18.0  | 02 | 30 | 13.83               |
| 11 - ZAIOUR Omnia                | 171736027564                               | 1.0        | 00        | 11.63  | 13.38                                | 12.51      | 09        | 9.75                             | 3.13       | 6.44      | 00                     | 7.5        | 12.0       | 9.75                                | 04         | 10.0      | 18.5                | 14.25 | 02 | 15 | 9.62                |

| Unité de mesure | Unité de mesure | Unité de mesure |
|-----------------|-----------------|-----------------|
| 0               | 7.15            | 0               |
| 0               | 14.36           | 0               |
| 0               | 10.9            | 0               |
| 5               | 9.65            | 5               |
| 0               | 0.8             | 0               |
| 10.08           |                 | 10.08           |

Page 1 sur 1

|                        | B00D0001M    |            | B00F0001M |                      |                                      |            | B00F0002M |                       |                                      |            | B00N0001M |                |                                             |            | B00T0001M |           |               |            |           |           |                      |                      |       |
|------------------------|--------------|------------|-----------|----------------------|--------------------------------------|------------|-----------|-----------------------|--------------------------------------|------------|-----------|----------------|---------------------------------------------|------------|-----------|-----------|---------------|------------|-----------|-----------|----------------------|----------------------|-------|
|                        | Simulation 1 | Moyenne UE | Credit UE | Physique statistique | Propriétés physiques des milieux (1) | Moyenne UE | Credit UE | Rayonnement Matière 1 | Interaction Physique des milieux (1) | Moyenne UE | Credit UE | Informatique 1 | TP de spectroscopie atomique et moléculaire | Moyenne UE | Credit UE | Anglais 1 | Communication | Moyenne UE | Credit UE | Séminaire | Credits du Séminaire | Moyenne du Séminaire |       |
| 1- AZZOUZ NAZIM SLIM   | 191936020367 | 1.0        | 1.0       | 00                   | 5.99                                 | 8.82       | 7.41      | 00                    | 10.74                                | 9.47       | 10.11     | 08             | 11.21                                       | 1.34       | 7.0       | 5.58      | 01            | 18.0       | 14.5      | 16.25     | 02                   | 11                   | 8.22  |
| 2- BEDIR ASMA          | 17173603245  | 16.5       | 16.5      | 02                   | 7.84                                 | 13.51      | 10.68     | 10                    | 5.09                                 | 8.32       | 6.71      | 00             | 12.12                                       | 7.43       | 10.59     | 9.63      | 04            | 14.0       | 18.5      | 16.25     | 02                   | 30                   | 10.42 |
| 3- BEKKAIRI ASSALA     | 202036021253 | 13.25      | 13.25     | 02                   | 10.16                                | 13.66      | 11.91     | 10                    | 6.92                                 | 15.16      | 11.04     | 08             | 15.55                                       | 10.83      | 13.0      | 12.64     | 08            | 10.0       | 17.0      | 13.5      | 02                   | 30                   | 12.2  |
| 4- BELAID MADJEDA      | 202036022631 | 16.25      | 16.25     | 02                   | 7.58                                 | 9.32       | 8.45      | 00                    | 2.75                                 | 7.64       | 5.2       | 00             | 14.55                                       | 5.92       | 9.25      | 8.98      | 01            | 7.0        | 16.5      | 11.75     | 02                   | 05                   | 8.7   |
| 5- Boucheriet KHOULOUD | 202036022567 | 8.0        | 8.0       | 00                   | 11.37                                | 13.32      | 12.35     | 10                    | 9.64                                 | 12.32      | 10.98     | 08             | 12.78                                       | 9.33       | 12.42     | 11.26     | 08            | 10.0       | 18.5      | 14.25     | 02                   | 30                   | 11.63 |
| 6- BOUSSALLIA Khouther | 202036020299 | 15.75      | 15.75     | 02                   | 11.33                                | 15.42      | 13.38     | 10                    | 12.82                                | 12.82      | 12.82     | 08             | 12.23                                       | 10.4       | 11.75     | 11.31     | 08            | 16.5       | 20.0      | 18.25     | 02                   | 30                   | 13.35 |
| 7- DEGHDEGH CHAIMA     | 202036021417 | 15.25      | 15.25     | 02                   | 9.55                                 | 14.85      | 12.2      | 10                    | 8.58                                 | 11.23      | 9.91      | 04             | 12.22                                       | 9.72       | 12.25     | 11.23     | 08            | 12.0       | 20.0      | 16.0      | 02                   | 30                   | 11.99 |
| 8- GUERROUDI MALAK     | 202036023162 | 16.5       | 16.5      | 02                   | 7.67                                 | 13.08      | 10.38     | 10                    | 11.07                                | 11.64      | 11.36     | 08             | 12.67                                       | 9.16       | 10.0      | 10.2      | 08            | 16.5       | 18.5      | 17.5      | 02                   | 30                   | 11.84 |
| 9- KEDDI RIM           | 202036017735 | 13.5       | 13.5      | 02                   | 6.34                                 | 13.18      | 9.76      | 05                    | 6.58                                 | 8.8        | 7.69      | 00             | 13.78                                       | 6.15       | 12.5      | 10.22     | 08            | 10.5       | 18.5      | 14.5      | 02                   | 30                   | 10.21 |
| 10- ROUAISSA OUMAIMA   | 202036022990 | 15.5       | 15.5      | 02                   | 12.84                                | 14.84      | 13.84     | 10                    | 6.83                                 | 14.66      | 10.75     | 08             | 12.99                                       | 13.37      | 13.25     | 13.25     | 08            | 13.0       | 18.5      | 15.75     | 02                   | 30                   | 13.23 |
| 11- ZEHAR DOUNIA       | 202036022088 | 0.0        | 0.0       | 00                   | 0.0                                  | 0.0        | 0.0       | 00                    | 0.0                                  | 0.0        | 0.0       | 00             | 0.0                                         | 0.0        | 0.0       | 0.0       | 00            | 0.0        | 0.0       | 0.0       | 00                   | 00                   | 0.0   |
| 12- ZERAOUILA DJIHANE  | 202036023542 | 15.25      | 15.25     | 02                   | 14.82                                | 15.1       | 14.96     | 10                    | 8.6                                  | 10.48      | 9.54      | 04             | 12.67                                       | 8.66       | 12.5      | 11.0      | 08            | 10.5       | 17.5      | 14.0      | 02                   | 30                   | 12.27 |

Handwritten signature and official stamp of the Ministry of Education, Higher Education and Scientific Research, Iraq.

**Nom, Prénom et Signature des enseignants:**

Khēira Labhaci

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Le: 26-02-2024

2<sup>nd</sup> Period 11 pages

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Année Académique: 2023/2024  
Filière: physique  
Spécialité: physique de la matière condensée  
Niveau: Master 2

Domaine: Sciences de la Matière

Arrêté d'habilitation de l'offre de formation: N°1324 du 09/08/2016

PV de délibération Semestre 3 - 2023/2024 (Session : Normale)

|                           | B00D0001M                  |            |           | B00F0001M                            |                                           |            | B00F0002M |                     |                                 | B00M0001M  |           |                  | B00T0001M                         |            |           | Moyenne du Semestre |             |                                      |            |           |                      |       |
|---------------------------|----------------------------|------------|-----------|--------------------------------------|-------------------------------------------|------------|-----------|---------------------|---------------------------------|------------|-----------|------------------|-----------------------------------|------------|-----------|---------------------|-------------|--------------------------------------|------------|-----------|----------------------|-------|
|                           | Simulation et Modélisation | Moyenne UE | Credit UE | Physique des composants et matériaux | Physique et caractérisation des matériaux | Moyenne UE | Credit UE | Genie des Matériaux | Magnétisme et supraconductivité | Moyenne UE | Credit UE | Nanotechnologies | TP Elaboration et caractérisation | Moyenne UE | Credit UE |                     | Anglais III | Entrepreneuriat et gestion de projet | Moyenne UE | Credit UE | Semestre du Semestre |       |
| 1 - AMOURA Abdelhakim     | 151536035548               | 12.8       | 12.8      | 01                                   | 9.67                                      | 5.99       | 7.83      | 00                  | 8.32                            | 1.98       | 5.15      | 00               | 0.0                               | 11.0       | 5.5       | 05                  | 18.0        | 9.0                                  | 13.5       | 02        | 08                   | 7.58  |
| 2 - BEDBOUDI Asma         | 151536036673               | 10.04      | 10.04     | 01                                   | 12.66                                     | 9.99       | 11.33     | 10                  | 10.16                           | 10.16      | 10.16     | 08               | 10.0                              | 12.0       | 11.0      | 09                  | 14.0        | 8.0                                  | 11.0       | 02        | 30                   | 10.8  |
| 3 - BELHANI Chaima        | 171736025988               | 11.5       | 11.5      | 01                                   | 8.33                                      | 13.67      | 11.0      | 10                  | 11.67                           | 16.01      | 13.84     | 08               | 9.0                               | 13.0       | 11.0      | 09                  | 19.5        | 16.5                                 | 18.0       | 02        | 30                   | 12.72 |
| 4 - GUEDDOUCHE CHAIMA     | 171736029033               | 13.5       | 13.5      | 01                                   | 9.67                                      | 11.33      | 10.5      | 10                  | 10.16                           | 8.81       | 9.49      | 04               | 1.5                               | 12.0       | 6.75      | 05                  | 14.0        | 10.0                                 | 12.0       | 02        | 22                   | 9.63  |
| 5 - KEDAYA NEDJOU         | 171736055568               | 11.3       | 11.3      | 01                                   | 10.99                                     | 10.66      | 10.83     | 10                  | 8.49                            | 8.34       | 8.42      | 00               | 11.5                              | 13.0       | 12.25     | 09                  | 14.0        | 14.0                                 | 14.0       | 02        | 30                   | 11.02 |
| 6 - LALAOUA YOUSRA        | 181836031408               | 5.0        | 5.0       | 00                                   | 11.01                                     | 10.66      | 10.84     | 10                  | 9.5                             | 10.5       | 10.0      | 08               | 4.0                               | 11.0       | 7.5       | 05                  | 17.0        | 11.5                                 | 14.25      | 02        | 25                   | 9.79  |
| 7 - LAROUT OUARDA         | 181836048854               | 12.8       | 12.8      | 01                                   | 8.33                                      | 10.67      | 9.5       | 05                  | 7.99                            | 4.65       | 6.32      | 00               | 4.0                               | 11.0       | 7.5       | 05                  | 12.5        | 6.0                                  | 9.25       | 01        | 12                   | 8.31  |
| 8 - MATALLAH YAKOUB       | 181836023985               | 14.5       | 14.5      | 01                                   | 13.66                                     | 15.34      | 14.5      | 10                  | 11.99                           | 19.34      | 15.67     | 08               | 12.0                              | 15.0       | 13.5      | 09                  | 18.5        | 11.0                                 | 14.75      | 02        | 30                   | 14.58 |
| 9 - NAAMANE SAMIR         | 161636034235               | 10.3       | 10.3      | 01                                   | 11.34                                     | 9.99       | 10.67     | 10                  | 9.99                            | 7.65       | 8.82      | 00               | 4.5                               | 12.0       | 8.25      | 05                  | 15.0        | 12.0                                 | 13.5       | 02        | 18                   | 9.88  |
| 10 - NAÏLI Souadess malek | 171736052124               | 0.0        | 0.0       | 00                                   | 0.0                                       | 0.0        | 0.0       | 00                  | 0.0                             | 0.0        | 0.0       | 00               | 0.0                               | 0.0        | 0.0       | 00                  | 0.0         | 0.0                                  | 0.0        | 00        | 00                   | 0.0   |
| 11 - SAKER AYA            | 171836033470               | 10.0       | 10.0      | 01                                   | 9.67                                      | 11.34      | 10.51     | 10                  | 8.49                            | 9.16       | 8.83      | 00               | 12.0                              | 12.0       | 12.0      | 09                  | 12.0        | 13.0                                 | 12.5       | 02        | 30                   | 10.69 |
| 12 - SLIMANI Abdelouhchab | 191936030874               | 18.0       | 18.0      | 01                                   | 14.01                                     | 14.67      | 14.34     | 10                  | 13.51                           | 10.82      | 12.17     | 08               | 14.5                              | 15.0       | 14.75     | 09                  | 17.75       | 18.0                                 | 17.88      | 02        | 30                   | 14.59 |
| 13 - ZAOUI FATIHA         | 171736028486               | 11.3       | 11.3      | 01                                   | 9.67                                      | 12.67      | 11.17     | 10                  | 9.16                            | 9.01       | 9.09      | 00               | 5.0                               | 13.0       | 9.0       | 05                  | 17.5        | 5.0                                  | 11.25      | 02        | 30                   | 10.06 |
| 14 - كلالي محمد اسلام     | 141436035611               | 15.0       | 15.0      | 01                                   | 8.33                                      | 5.99       | 7.16      | 00                  | 8.66                            | 4.99       | 6.83      | 00               | 1.5                               | 12.0       | 6.75      | 05                  | 11.0        | 14.0                                 | 12.5       | 02        | 08                   | 8.2   |

Nombre total des étudiants: 14  
Nombre total étudiants admis: 7  
Nombre des étudiants ajournés: 7  
Le: 19-03-2024

Nom, Prénom et Signature des enseignants:  
1- CHENID SKEL  
2- M<sup>me</sup> MAKHLOF  
3- Ithine Samir Hely  
4-  
5-  
6-  
7-  
8-  
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14-

الإستاد الدكتور عبد العزيز  
أبو الجحالة  
رئيس اللجنة  
جامعة بادجي مختار عنابة



2023/2024

Sciences de la Matière

Filière: physique  
Spécialité: physique appliquée : physique et application des semi-conducteurs et composants  
Niveau: Arrêté d'habilitation de l'offre de N°1324 du 09/08/2016

PV de séance d'habilitation de l'offre de N°1324 du 09/08/2016  
PV de séance d'habilitation de l'offre de N°1324 du 09/08/2016 (Session : Normale)

|                                     |              | B00D0001M                        |            |           |                         | B00F0001M                     |            |           |                                      | B00F0002M                                 |            |           |                 | B00M0001M                                |        |            |           | B00T0001M         |                             |            |           |          |          |
|-------------------------------------|--------------|----------------------------------|------------|-----------|-------------------------|-------------------------------|------------|-----------|--------------------------------------|-------------------------------------------|------------|-----------|-----------------|------------------------------------------|--------|------------|-----------|-------------------|-----------------------------|------------|-----------|----------|----------|
|                                     |              | Outils de rédaction scientifique | Moyenne UE | Crédit UE | Compétences Unipolaires | Compétences photo-acoustiques | Moyenne UE | Crédit UE | Compétences dimensionnelles et bases | Compétences circuits intégrés photoniques | Moyenne UE | Crédit UE | de la recherche | Technologies des composants via SII VACO | MATLAB | Moyenne UE | Crédit UE | Gestion de projet | Préparation à la vie active | Moyenne UE | Crédit UE | Semestre | Semestre |
| 1 - ACHACHIA RACHA                  | 191936024139 | 12.0                             | 12.0       | 01        | 11.05                   | 10.0                          | 10.63      | 10        | 10.5                                 | 14.05                                     | 12.28      | 08        | 13.5            | 17.63                                    | 14.75  | 15.29      | 09        | 14.0              | 13.0                        | 13.5       | 02        | 30       | 12.48    |
| 2 - ARAAR NOUR EL DJIHED            | 191936023138 | 14.0                             | 14.0       | 01        | 17.65                   | 11.75                         | 15.29      | 10        | 16.25                                | 17.15                                     | 16.7       | 08        | 15.0            | 18.0                                     | 14.75  | 15.92      | 09        | 13.0              | 17.0                        | 15.0       | 02        | 30       | 15.67    |
| 3 - Adjailia Boulema                | 23911478     | 0.0                              | 0.0        | 00        | 0.0                     | 0.0                           | 0.0        | 00        | 0.0                                  | 0.0                                       | 0.0        | 00        | 0.0             | 0.0                                      | 0.0    | 0.0        | 00        | 0.0               | 0.0                         | 0.0        | 00        | 00       | 0.0      |
| 4 - BOUCENNA AMIRA                  | 181836028343 | 14.0                             | 14.0       | 01        | 8.6                     | 10.5                          | 9.36       | 04        | 10.0                                 | 11.78                                     | 10.89      | 08        | 13.0            | 15.0                                     | 12.0   | 13.33      | 09        | 12.0              | 15.5                        | 13.75      | 02        | 30       | 11.46    |
| 5 - BOUCHOUICHA DOHA                | 171836030964 | 10.0                             | 10.0       | 01        | 12.9                    | 12.0                          | 12.54      | 10        | 14.5                                 | 13.25                                     | 13.88      | 08        | 13.75           | 18.25                                    | 13.75  | 15.25      | 09        | 8.0               | 12.0                        | 10.0       | 02        | 30       | 12.93    |
| 6 - BOUDALIA MOHRENE                | 191936025173 | 12.0                             | 12.0       | 01        | 13.05                   | 12.75                         | 12.93      | 10        | 10.0                                 | 14.05                                     | 12.03      | 08        | 14.0            | 15.75                                    | 13.0   | 14.25      | 09        | 18.0              | 16.0                        | 17.0       | 02        | 30       | 13.43    |
| 7 - BOUMERDAS Oussama abd esselam   | 191936021242 | 17.0                             | 17.0       | 01        | 15.6                    | 16.0                          | 15.76      | 10        | 16.0                                 | 15.65                                     | 15.83      | 08        | 15.5            | 17.5                                     | 14.13  | 15.71      | 09        | 18.0              | 17.0                        | 17.5       | 02        | 30       | 16.08    |
| 8 - Bouadila Chaouli                | 23941554     | 0.0                              | 0.0        | 00        | 0.0                     | 0.0                           | 0.0        | 00        | 0.0                                  | 0.0                                       | 0.0        | 00        | 0.0             | 0.0                                      | 0.0    | 0.0        | 00        | 0.0               | 0.0                         | 0.0        | 00        | 00       | 0.0      |
| 9 - DOGHMANE AHMED                  | 239227156    | 0.0                              | 0.0        | 00        | 0.0                     | 0.0                           | 0.0        | 00        | 0.0                                  | 0.0                                       | 0.0        | 00        | 0.0             | 0.0                                      | 0.0    | 0.0        | 00        | 0.0               | 0.0                         | 0.0        | 00        | 00       | 0.0      |
| 10 - DOUMAL LAMIA                   | 171736028491 | 12.0                             | 12.0       | 01        | 10.2                    | 11.5                          | 10.72      | 10        | 10.25                                | 12.3                                      | 11.28      | 08        | 13.0            | 14.63                                    | 13.25  | 13.63      | 09        | 16.0              | 15.0                        | 15.5       | 02        | 30       | 12.17    |
| 11 - FEDDAOUI DELALOUI Sabah eddine | 19096017003  | 0.0                              | 0.0        | 00        | 0.0                     | 0.0                           | 0.0        | 00        | 0.0                                  | 0.0                                       | 0.0        | 00        | 0.0             | 0.0                                      | 0.0    | 0.0        | 00        | 0.0               | 0.0                         | 0.0        | 00        | 00       | 0.0      |
| 12 - GHERRI NOUR                    | 191936022222 | 11.0                             | 11.0       | 01        | 17.45                   | 12.0                          | 15.27      | 10        | 16.0                                 | 17.65                                     | 16.83      | 08        | 15.5            | 18.63                                    | 14.63  | 16.25      | 09        | 16.0              | 17.0                        | 16.5       | 02        | 30       | 15.76    |
| 13 - HAMDI ROUMAÏSSA                | 161636031849 | 16.0                             | 16.0       | 01        | 14.25                   | 13.0                          | 13.75      | 10        | 10.5                                 | 13.13                                     | 11.82      | 08        | 12.75           | 18.25                                    | 12.75  | 14.58      | 09        | 15.0              | 14.0                        | 14.5       | 02        | 30       | 13.65    |
| 14 - Hamimid Radia                  | 2290133338   | 6.0                              | 6.0        | 00        | 12.25                   | 11.5                          | 11.95      | 10        | 11.25                                | 12.4                                      | 11.83      | 08        | 11.5            | 10.0                                     | 13.38  | 11.63      | 09        | 17.5              | 17.0                        | 17.25      | 02        | 30       | 12.16    |
| 15 - KEMOUICHE NESRINE              | 181836026000 | 10.0                             | 10.0       | 01        | 7.8                     | 10.0                          | 8.68       | 04        | 10.0                                 | 9.25                                      | 9.63       | 04        | 12.0            | 13.38                                    | 12.0   | 12.46      | 09        | 12.0              | 12.0                        | 12.0       | 02        | 30       | 10.22    |
| 16 - KOUADRIA Belkis                | 181836047958 | 17.0                             | 17.0       | 01        | 12.9                    | 11.5                          | 12.34      | 10        | 13.0                                 | 14.73                                     | 13.87      | 08        | 11.25           | 16.25                                    | 13.5   | 13.67      | 09        | 17.5              | 14.0                        | 15.75      | 02        | 30       | 13.78    |
| 17 - LOUIZA Abir                    | 181936031774 | 9.0                              | 9.0        | 00        | 13.5                    | 11.25                         | 12.6       | 10        | 12.25                                | 13.05                                     | 12.65      | 08        | 13.0            | 14.75                                    | 14.75  | 14.17      | 09        | 12.5              | 12.5                        | 12.5       | 02        | 30       | 12.67    |
| 18 - MALLEM Israa roukaya           | 191936021305 | 9.0                              | 9.0        | 00        | 13.85                   | 10.75                         | 12.61      | 10        | 11.75                                | 13.88                                     | 12.82      | 08        | 11.63           | 16.38                                    | 13.75  | 13.92      | 09        | 11.0              | 12.0                        | 11.5       | 02        | 30       | 12.54    |
| 19 - SAKHRI Neamane                 | 181836025477 | 14.0                             | 14.0       | 01        | 12.4                    | 12.0                          | 12.24      | 10        | 13.5                                 | 15.55                                     | 14.53      | 08        | 13.5            | 15.75                                    | 14.25  | 14.5       | 09        | 11.0              | 14.5                        | 12.75      | 02        | 30       | 13.49    |
| 20 - TAIF Nadhir                    | 211536062018 | 6.0                              | 6.0        | 00        | 10.0                    | 10.5                          | 10.2       | 10        | 10.5                                 | 14.1                                      | 12.3       | 08        | 11.0            | 10.75                                    | 12.33  | 11.36      | 09        | 13.0              | 10.0                        | 11.5       | 02        | 30       | 10.89    |

الأستاذ الدكتور  
عبد العزيز  
عبد الله  
عبد الله

20  
Nom, Prénom et Signature des enseignants:

16

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Le: 26-02-2024

2- BACHMANIS Abdelaziz  
8- Aissa Khoualdi

4- ELBOUALI Baghdad  
10- ELCHAKHON

6- ANDOUMSA B. B.  
12- ANDOUMSA B. B.