

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** anglais scientifique / A / 1

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

| #  | Matricule    |  |  | Examen | CC  | MG    |
|----|--------------|--|--|--------|-----|-------|
| 1  | 202039062096 |  |  | 11.75  | 0.0 | 11.75 |
| 2  | 202039063487 |  |  | 12.5   | 0.0 | 12.5  |
| 3  | 202039062805 |  |  | 9.25   | 0.0 | 9.25  |
| 4  | 202039065480 |  |  | 8.25   | 0.0 | 8.25  |
| 5  | 202039062865 |  |  | 10.25  | 0.0 | 10.25 |
| 6  | 202039062105 |  |  | 10.75  | 0.0 | 10.75 |
| 7  | 202039061761 |  |  | 6.75   | 0.0 | 6.75  |
| 8  | 191939054721 |  |  | 14.5   | 0.0 | 14.5  |
| 9  | 202039061891 |  |  | 11.0   | 0.0 | 11.0  |
| 10 | 202039076869 |  |  | 10.25  | 0.0 | 10.25 |
| 11 | 202039062878 |  |  | 9.5    | 0.0 | 9.5   |
| 12 | 202039053763 |  |  | 9.25   | 0.0 | 9.25  |
| 13 | 202039071342 |  |  | 10.75  | 0.0 | 10.75 |
| 14 | 202039064137 |  |  | 6.75   | 0.0 | 6.75  |
| 15 | 202039065412 |  |  | 11.75  | 0.0 | 11.75 |
| 16 | 202039062692 |  |  | 9.0    | 0.0 | 9.0   |
| 17 | 202039061855 |  |  | 11.25  | 0.0 | 11.25 |
| 18 | 202039067669 |  |  | 8.25   | 0.0 | 8.25  |
| 19 | 202039062712 |  |  | 9.25   | 0.0 | 9.25  |
| 20 | 202039066002 |  |  | 6.25   | 0.0 | 6.25  |
| 21 | 202039065281 |  |  | 8.75   | 0.0 | 8.75  |
| 22 | 202039064214 |  |  | 10.0   | 0.0 | 10.0  |
| 23 | 202039063347 |  |  | 11.25  | 0.0 | 11.25 |
| 24 | 191939063731 |  |  | 10.0   | 0.0 | 10.0  |
| 25 | 202039063575 |  |  | 7.5    | 0.0 | 7.5   |
| 26 | 202039061830 |  |  | 10.25  | 0.0 | 10.25 |
| 27 | 191939070031 |  |  | 10.5   | 0.0 | 10.5  |
| 28 | 202039062572 |  |  | 9.5    | 0.0 | 9.5   |
| 29 | 202039062040 |  |  | 9.5    | 0.0 | 9.5   |
| 30 | 202039061848 |  |  | 9.5    | 0.0 | 9.5   |
| 31 | 202039064575 |  |  | 10.0   | 0.0 | 10.0  |
| 32 | 202039065504 |  |  | 13.75  | 0.0 | 13.75 |
| 33 | 202039053794 |  |  | 12.75  | 0.0 | 12.75 |
| 34 | 202039062645 |  |  | 13.75  | 0.0 | 13.75 |
| 35 | 202039065126 |  |  | 10.0   | 0.0 | 10.0  |

|    |              |  |  |       |     |       |
|----|--------------|--|--|-------|-----|-------|
| 36 | 202039061709 |  |  | 16.25 | 0.0 | 16.25 |
| 37 | 202039062916 |  |  | 12.0  | 0.0 | 12.0  |
| 38 | 202039062700 |  |  | 10.75 | 0.0 | 10.75 |
| 39 | 202039069751 |  |  | 8.75  | 0.0 | 8.75  |
| 40 | 202039062625 |  |  | 11.5  | 0.0 | 11.5  |
| 41 | 202039065189 |  |  | 10.25 | 0.0 | 10.25 |

Signature de l'enseignant:

Le:

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** anglais scientifique / A / 2

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

| #  | Matricule    |  |  | Examen | CC  | MG    |
|----|--------------|--|--|--------|-----|-------|
| 1  | 202039067193 |  |  | 13.5   | 0.0 | 13.5  |
| 2  | 202039068468 |  |  | 10.0   | 0.0 | 10.0  |
| 3  | 202039068453 |  |  | 12.25  | 0.0 | 12.25 |
| 4  | 202039067123 |  |  | 5.75   | 0.0 | 5.75  |
| 5  | 202039068469 |  |  | 5.75   | 0.0 | 5.75  |
| 6  | 202039069730 |  |  | 7.5    | 0.0 | 7.5   |
| 7  | 202039069745 |  |  | 10.0   | 0.0 | 10.0  |
| 8  | 202039068524 |  |  | 14.0   | 0.0 | 14.0  |
| 9  | 202039071907 |  |  | 11.5   | 0.0 | 11.5  |
| 10 | 202039066409 |  |  | 5.0    | 0.0 | 5.0   |
| 11 | 202039068119 |  |  | 11.0   | 0.0 | 11.0  |
| 12 | 202039066415 |  |  | 14.5   | 0.0 | 14.5  |
| 13 | 202039068451 |  |  | 11.0   | 0.0 | 11.0  |
| 14 | 202039069752 |  |  | 8.5    | 0.0 | 8.5   |

|    |              |  |  |       |     |       |
|----|--------------|--|--|-------|-----|-------|
| 15 | 202039069753 |  |  | 15.5  | 0.0 | 15.5  |
| 16 | 202039069242 |  |  | 9.0   | 0.0 | 9.0   |
| 17 | 202039066413 |  |  | 16.75 | 0.0 | 16.75 |
| 18 | 202039066496 |  |  | 11.25 | 0.0 | 11.25 |
| 19 | 202039067109 |  |  | 15.0  | 0.0 | 15.0  |
| 20 | 202039069394 |  |  | 13.0  | 0.0 | 13.0  |
| 21 | 202039067277 |  |  | 9.5   | 0.0 | 9.5   |
| 22 | 202039066798 |  |  | 6.75  | 0.0 | 6.75  |
| 23 | 202039066423 |  |  | 13.5  | 0.0 | 13.5  |
| 24 | 202039067152 |  |  | 8.75  | 0.0 | 8.75  |
| 25 | 202039066761 |  |  | 8.25  | 0.0 | 8.25  |
| 26 | 202039064242 |  |  | 8.75  | 0.0 | 8.75  |
| 27 | 202039067627 |  |  | 8.0   | 0.0 | 8.0   |
| 28 | 202039067696 |  |  | 9.25  | 0.0 | 9.25  |
| 29 | 202039067316 |  |  | 9.25  | 0.0 | 9.25  |
| 30 | 202039068489 |  |  | 10.0  | 0.0 | 10.0  |
| 31 | 202039067651 |  |  | 13.75 | 0.0 | 13.75 |
| 32 | 202039071338 |  |  | 14.0  | 0.0 | 14.0  |
| 33 | 202039065151 |  |  | 10.0  | 0.0 | 10.0  |
| 34 | 202039062024 |  |  | 8.25  | 0.0 | 8.25  |
| 35 | 202039069812 |  |  | 4.0   | 0.0 | 4.0   |
| 36 | 202039068493 |  |  | 10.75 | 0.0 | 10.75 |
| 37 | 202039068526 |  |  | 11.75 | 0.0 | 11.75 |
| 38 | 202039069406 |  |  | 10.25 | 0.0 | 10.25 |
| 39 | 202039066847 |  |  | 11.0  | 0.0 | 11.0  |
| 40 | 202039069247 |  |  | 10.25 | 0.0 | 10.25 |
| 41 | 202039066447 |  |  | 11.25 | 0.0 | 11.25 |
| 42 | 202039069760 |  |  | 12.25 | 0.0 | 12.25 |
| 43 | 202039069251 |  |  | 10.5  | 0.0 | 10.5  |
| 44 | 202039069271 |  |  | 11.5  | 0.0 | 11.5  |

Signature de l'enseignant:

Le:

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** anglais scientifique / A / 3**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC  | MG    |
|----|--------------|--|--|--------|-----|-------|
| 1  | 191939068368 |  |  | 12.25  | 0.0 | 12.25 |
| 2  | 202039070191 |  |  | 7.75   | 0.0 | 7.75  |
| 3  | 202039061820 |  |  | 9.0    | 0.0 | 9.0   |
| 4  | 202039071622 |  |  | 11.25  | 0.0 | 11.25 |
| 5  | 202039071752 |  |  | 12.25  | 0.0 | 12.25 |
| 6  | 202039070648 |  |  | 12.5   | 0.0 | 12.5  |
| 7  | 202039072027 |  |  | 11.5   | 0.0 | 11.5  |
| 8  | 192039076210 |  |  | 13.0   | 0.0 | 13.0  |
| 9  | 202039070525 |  |  | 11.5   | 0.0 | 11.5  |
| 10 | 202039071332 |  |  | 7.75   | 0.0 | 7.75  |
| 11 | 202039072240 |  |  | 12.75  | 0.0 | 12.75 |
| 12 | 202039065995 |  |  | 11.0   | 0.0 | 11.0  |
| 13 | 202039070123 |  |  | 8.5    | 0.0 | 8.5   |
| 14 | 191939073090 |  |  | 8.0    | 0.0 | 8.0   |
| 15 | 202039071583 |  |  | 10.5   | 0.0 | 10.5  |
| 16 | 202039071753 |  |  | 10.25  | 0.0 | 10.25 |
| 17 | 202039070116 |  |  | 12.25  | 0.0 | 12.25 |
| 18 | 202039061922 |  |  | 11.75  | 0.0 | 11.75 |
| 19 | 202039062920 |  |  | 15.0   | 0.0 | 15.0  |
| 20 | 202039070911 |  |  | 10.5   | 0.0 | 10.5  |
| 21 | 202039072172 |  |  | 0.0    | 0.0 | 0.0   |
| 22 | 202039069775 |  |  | 7.25   | 0.0 | 7.25  |
| 23 | 202039072227 |  |  | 12.25  | 0.0 | 12.25 |
| 24 | 202039070518 |  |  | 11.25  | 0.0 | 11.25 |
| 25 | 202039076283 |  |  | 8.0    | 0.0 | 8.0   |
| 26 | 202039071596 |  |  | 9.25   | 0.0 | 9.25  |
| 27 | 202039070091 |  |  | 8.25   | 0.0 | 8.25  |
| 28 | 202039076634 |  |  | 15.5   | 0.0 | 15.5  |
| 29 | 202039071570 |  |  | 12.75  | 0.0 | 12.75 |
| 30 | 202039062876 |  |  | 8.5    | 0.0 | 8.5   |
| 31 | 202039072258 |  |  | 12.25  | 0.0 | 12.25 |
| 32 | 202039071163 |  |  | 10.25  | 0.0 | 10.25 |
| 33 | 202039069720 |  |  | 12.25  | 0.0 | 12.25 |
| 34 | 202039070228 |  |  | 10.25  | 0.0 | 10.25 |
| 35 | 202039071700 |  |  | 0.0    | 0.0 | 0.0   |
| 36 | 202039076544 |  |  | 7.0    | 0.0 | 7.0   |
| 37 | 202039071365 |  |  | 10.75  | 0.0 | 10.75 |
| 38 | 202039061935 |  |  | 12.5   | 0.0 | 12.5  |
| 39 | 202039071624 |  |  | 12.5   | 0.0 | 12.5  |

|    |              |  |  |       |     |       |
|----|--------------|--|--|-------|-----|-------|
| 40 | 202039071618 |  |  | 7.25  | 0.0 | 7.25  |
| 41 | 202039070264 |  |  | 9.0   | 0.0 | 9.0   |
| 42 | 202039050780 |  |  | 8.75  | 0.0 | 8.75  |
| 43 | 202039068435 |  |  | 11.75 | 0.0 | 11.75 |
| 44 | 202039070255 |  |  | 12.25 | 0.0 | 12.25 |
| 45 | 202039071632 |  |  | 11.0  | 0.0 | 11.0  |
| 46 | 181839064375 |  |  | 7.75  | 0.0 | 7.75  |

Signature de l'enseignant:

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2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** anglais scientifique / A / 4

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

| #  | Matricule    |  |  | Examen | CC  | MG    |
|----|--------------|--|--|--------|-----|-------|
| 1  | 202039066389 |  |  | 15.0   | 0.0 | 15.0  |
| 2  | 202039063722 |  |  | 10.5   | 0.0 | 10.5  |
| 3  | 202039064567 |  |  | 10.75  | 0.0 | 10.75 |
| 4  | 202039070599 |  |  | 14.5   | 0.0 | 14.5  |
| 5  | 202039069764 |  |  | 11.75  | 0.0 | 11.75 |
| 6  | 202039064547 |  |  | 10.5   | 0.0 | 10.5  |
| 7  | 202039064198 |  |  | 13.5   | 0.0 | 13.5  |
| 8  | 202039070138 |  |  | 9.5    | 0.0 | 9.5   |
| 9  | 202039066404 |  |  | 14.0   | 0.0 | 14.0  |
| 10 | 191939069328 |  |  | 14.5   | 0.0 | 14.5  |
| 11 | 202039070529 |  |  | 10.5   | 0.0 | 10.5  |
| 12 | 202039075845 |  |  | 10.25  | 0.0 | 10.25 |
| 13 | 202039067639 |  |  | 11.75  | 0.0 | 11.75 |
| 14 | 202039070082 |  |  | 10.25  | 0.0 | 10.25 |

|    |              |  |  |       |     |       |
|----|--------------|--|--|-------|-----|-------|
| 15 | 192039075920 |  |  | 10.0  | 0.0 | 10.0  |
| 16 | 171739068183 |  |  | 16.25 | 0.0 | 16.25 |
| 17 | 202039062658 |  |  | 11.5  | 0.0 | 11.5  |
| 18 | 202039066401 |  |  | 10.0  | 0.0 | 10.0  |
| 19 | 202039064148 |  |  | 8.5   | 0.0 | 8.5   |
| 20 | 202039070857 |  |  | 10.0  | 0.0 | 10.0  |
| 21 | 202039066008 |  |  | 8.75  | 0.0 | 8.75  |
| 22 | 202039067758 |  |  | 8.0   | 0.0 | 8.0   |
| 23 | 202039071594 |  |  | 12.5  | 0.0 | 12.5  |
| 24 | 202039066393 |  |  | 12.75 | 0.0 | 12.75 |
| 25 | 202039064173 |  |  | 10.25 | 0.0 | 10.25 |
| 26 | 202039064235 |  |  | 13.25 | 0.0 | 13.25 |
| 27 | 202039062855 |  |  | 8.75  | 0.0 | 8.75  |
| 28 | 202039070982 |  |  | 11.25 | 0.0 | 11.25 |
| 29 | 202039063806 |  |  | 10.0  | 0.0 | 10.0  |
| 30 | 202039064550 |  |  | 9.5   | 0.0 | 9.5   |
| 31 | 202039070051 |  |  | 12.5  | 0.0 | 12.5  |
| 32 | 202039069743 |  |  | 11.5  | 0.0 | 11.5  |
| 33 | 202039070136 |  |  | 9.0   | 0.0 | 9.0   |
| 34 | 202039071665 |  |  | 10.0  | 0.0 | 10.0  |
| 35 | 202039069700 |  |  | 8.5   | 0.0 | 8.5   |
| 36 | 202039063755 |  |  | 9.0   | 0.0 | 9.0   |
| 37 | 202039067774 |  |  | 10.0  | 0.0 | 10.0  |
| 38 | 202039071544 |  |  | 12.5  | 0.0 | 12.5  |
| 39 | 202039071564 |  |  | 10.25 | 0.0 | 10.25 |
| 40 | 202039066078 |  |  | 7.25  | 0.0 | 7.25  |
| 41 | 202039067311 |  |  | 6.25  | 0.0 | 6.25  |

Signature de l'enseignant:

Le:

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** anglais scientifique / A / 5**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC  | MG    |
|----|--------------|--|--|--------|-----|-------|
| 1  | 202039067276 |  |  | 6.5    | 0.0 | 6.5   |
| 2  | 191939078888 |  |  | 11.5   | 0.0 | 11.5  |
| 3  | 202039066000 |  |  | 11.25  | 0.0 | 11.25 |
| 4  | 202039064602 |  |  | 11.0   | 0.0 | 11.0  |
| 5  | 191939066858 |  |  | 11.0   | 0.0 | 11.0  |
| 6  | 191939068783 |  |  | 8.0    | 0.0 | 8.0   |
| 7  | 202039068817 |  |  | 11.25  | 0.0 | 11.25 |
| 8  | 181839073050 |  |  | 14.5   | 0.0 | 14.5  |
| 9  | 171737006915 |  |  | 10.0   | 0.0 | 10.0  |
| 10 | 191939064268 |  |  | 0.0    | 0.0 | 0.0   |
| 11 | 202039065206 |  |  | 9.0    | 0.0 | 9.0   |
| 12 | 202039071191 |  |  | 10.0   | 0.0 | 10.0  |
| 13 | 191939073137 |  |  | 10.0   | 0.0 | 10.0  |
| 14 | 191939070816 |  |  | 12.25  | 0.0 | 12.25 |
| 15 | 202039065359 |  |  | 10.5   | 0.0 | 10.5  |
| 16 | 202039065374 |  |  | 11.25  | 0.0 | 11.25 |
| 17 | 202039062100 |  |  | 11.0   | 0.0 | 11.0  |
| 18 | 202039070251 |  |  | 14.0   | 0.0 | 14.0  |
| 19 | 191939071698 |  |  | 15.5   | 0.0 | 15.5  |
| 20 | 191939066847 |  |  | 12.5   | 0.0 | 12.5  |
| 21 | 191939063651 |  |  | 9.5    | 0.0 | 9.5   |
| 22 | 191939073660 |  |  | 13.25  | 0.0 | 13.25 |
| 23 | 191939069761 |  |  | 12.0   | 0.0 | 12.0  |
| 24 | 191939065419 |  |  | 16.0   | 0.0 | 16.0  |
| 25 | 202039076678 |  |  | 10.0   | 0.0 | 10.0  |
| 26 | 171739072751 |  |  | 16.5   | 0.0 | 16.5  |
| 27 | 202039071609 |  |  | 11.75  | 0.0 | 11.75 |
| 28 | 191939063517 |  |  | 0.0    | 0.0 | 0.0   |
| 29 | 191939065169 |  |  | 9.0    | 0.0 | 9.0   |
| 30 | 191939063685 |  |  | 14.5   | 0.0 | 14.5  |
| 31 | 202039049154 |  |  | 8.0    | 0.0 | 8.0   |
| 32 | 202039065410 |  |  | 11.25  | 0.0 | 11.25 |
| 33 | 191939073103 |  |  | 11.0   | 0.0 | 11.0  |
| 34 | 191939071305 |  |  | 16.0   | 0.0 | 16.0  |
| 35 | 202039064250 |  |  | 12.75  | 0.0 | 12.75 |
| 36 | 202039069668 |  |  | 10.0   | 0.0 | 10.0  |
| 37 | 191939066957 |  |  | 0.0    | 0.0 | 0.0   |
| 38 | 191939073139 |  |  | 11.0   | 0.0 | 11.0  |
| 39 | 191939066831 |  |  | 11.5   | 0.0 | 11.5  |

|    |              |  |  |       |     |       |
|----|--------------|--|--|-------|-----|-------|
| 40 | 181839062696 |  |  | 0.0   | 0.0 | 0.0   |
| 41 | 202039064667 |  |  | 11.75 | 0.0 | 11.75 |
| 42 | 191939066922 |  |  | 11.5  | 0.0 | 11.5  |
| 43 | 202039067260 |  |  | 11.25 | 0.0 | 11.25 |

Signature de l'enseignant:

Le:

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** biomembranes et communications cellulaires / A / 1

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039062096 |  |  | 12.0   | 7.68  | 10.27 |
| 2  | 202039063487 |  |  | 13.0   | 11.28 | 12.31 |
| 3  | 202039062805 |  |  | 6.5    | 8.35  | 7.24  |
| 4  | 202039065480 |  |  | 1.0    | 8.8   | 4.12  |
| 5  | 202039062865 |  |  | 2.5    | 12.88 | 6.65  |
| 6  | 202039062105 |  |  | 12.25  | 13.53 | 12.76 |
| 7  | 202039061761 |  |  | 10.25  | 11.73 | 10.84 |
| 8  | 191939054721 |  |  | 7.5    | 6.83  | 7.23  |
| 9  | 202039061891 |  |  | 7.5    | 16.0  | 10.9  |
| 10 | 202039076869 |  |  | 3.0    | 0.0   | 1.8   |
| 11 | 202039062878 |  |  | 4.75   | 9.25  | 6.55  |
| 12 | 202039053763 |  |  | 7.0    | 7.68  | 7.27  |
| 13 | 202039071342 |  |  | 7.0    | 7.48  | 7.19  |
| 14 | 202039064137 |  |  | 2.5    | 10.83 | 5.83  |



|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 15 | 202039065412 |  |  | 8.0   | 11.28 | 9.31  |
| 16 | 202039062692 |  |  | 11.0  | 11.95 | 11.38 |
| 17 | 202039061855 |  |  | 5.0   | 11.5  | 7.6   |
| 18 | 202039067669 |  |  | 8.0   | 12.63 | 9.85  |
| 19 | 202039062712 |  |  | 6.0   | 9.93  | 7.57  |
| 20 | 202039066002 |  |  | 2.0   | 11.05 | 5.62  |
| 21 | 202039065281 |  |  | 4.0   | 16.25 | 8.9   |
| 22 | 202039064214 |  |  | 1.0   | 3.05  | 1.82  |
| 23 | 202039063347 |  |  | 0.25  | 8.8   | 3.67  |
| 24 | 191939063731 |  |  | 1.25  | 11.08 | 5.18  |
| 25 | 202039063575 |  |  | 6.0   | 7.9   | 6.76  |
| 26 | 202039061830 |  |  | 6.75  | 11.5  | 8.65  |
| 27 | 191939070031 |  |  | 4.5   | 8.8   | 6.22  |
| 28 | 202039062572 |  |  | 10.25 | 15.33 | 12.28 |
| 29 | 202039062040 |  |  | 4.0   | 9.93  | 6.37  |
| 30 | 202039061848 |  |  | 9.25  | 11.5  | 10.15 |
| 31 | 202039064575 |  |  | 11.75 | 9.78  | 10.96 |
| 32 | 202039065504 |  |  | 9.0   | 10.6  | 9.64  |
| 33 | 202039053794 |  |  | 5.5   | 7.68  | 6.37  |
| 34 | 202039062645 |  |  | 0.25  | 11.73 | 4.84  |
| 35 | 202039065126 |  |  | 7.0   | 9.03  | 7.81  |
| 36 | 202039061709 |  |  | 17.0  | 18.7  | 17.68 |
| 37 | 202039062916 |  |  | 4.75  | 9.03  | 6.46  |
| 38 | 202039062700 |  |  | 7.0   | 11.95 | 8.98  |
| 39 | 202039069751 |  |  | 3.0   | 8.38  | 5.15  |
| 40 | 202039062625 |  |  | 4.0   | 11.73 | 7.09  |
| 41 | 202039065189 |  |  | 8.25  | 16.0  | 11.35 |

Signature de l'enseignant:

Le:

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** biomembranes et communications cellulaires / A / 2**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067193 |  |  | 9.0    | 7.45  | 8.38  |
| 2  | 202039068468 |  |  | 2.0    | 5.9   | 3.56  |
| 3  | 202039068453 |  |  | 7.0    | 7.25  | 7.1   |
| 4  | 202039067123 |  |  | 0.25   | 7.68  | 3.22  |
| 5  | 202039068469 |  |  | 7.5    | 9.28  | 8.21  |
| 6  | 202039069730 |  |  | 2.0    | 8.58  | 4.63  |
| 7  | 202039069745 |  |  | 5.5    | 8.58  | 6.73  |
| 8  | 202039068524 |  |  | 8.75   | 9.25  | 8.95  |
| 9  | 202039071907 |  |  | 5.0    | 7.8   | 6.12  |
| 10 | 202039066409 |  |  | 8.0    | 7.93  | 7.97  |
| 11 | 202039068119 |  |  | 3.0    | 9.25  | 5.5   |
| 12 | 202039066415 |  |  | 6.0    | 6.55  | 6.22  |
| 13 | 202039068451 |  |  | 4.5    | 8.8   | 6.22  |
| 14 | 202039069752 |  |  | 6.75   | 14.2  | 9.73  |
| 15 | 202039069753 |  |  | 11.0   | 4.18  | 8.27  |
| 16 | 202039069242 |  |  | 5.0    | 7.23  | 5.89  |
| 17 | 202039066413 |  |  | 5.5    | 8.8   | 6.82  |
| 18 | 202039066496 |  |  | 10.0   | 8.58  | 9.43  |
| 19 | 202039067109 |  |  | 15.0   | 14.7  | 14.88 |
| 20 | 202039069394 |  |  | 5.25   | 13.53 | 8.56  |
| 21 | 202039067277 |  |  | 7.0    | 11.95 | 8.98  |
| 22 | 202039066798 |  |  | 2.0    | 6.1   | 3.64  |
| 23 | 202039066423 |  |  | 7.0    | 9.7   | 8.08  |
| 24 | 202039067152 |  |  | 10.0   | 10.15 | 10.06 |
| 25 | 202039066761 |  |  | 8.0    | 8.8   | 8.32  |
| 26 | 202039064242 |  |  | 1.0    | 8.35  | 3.94  |
| 27 | 202039067627 |  |  | 1.0    | 7.03  | 3.41  |
| 28 | 202039067696 |  |  | 1.0    | 9.48  | 4.39  |
| 29 | 202039067316 |  |  | 11.0   | 6.55  | 9.22  |
| 30 | 202039068489 |  |  | 3.0    | 3.45  | 3.18  |
| 31 | 202039067651 |  |  | 4.0    | 8.8   | 5.92  |
| 32 | 202039071338 |  |  | 10.0   | 9.93  | 9.97  |
| 33 | 202039065151 |  |  | 4.0    | 8.13  | 5.65  |
| 34 | 202039062024 |  |  | 3.0    | 6.15  | 4.26  |
| 35 | 202039069812 |  |  | 0.25   | 7.45  | 3.13  |
| 36 | 202039068493 |  |  | 7.75   | 8.8   | 8.17  |
| 37 | 202039068526 |  |  | 8.0    | 8.4   | 8.16  |
| 38 | 202039069406 |  |  | 12.0   | 7.55  | 10.22 |
| 39 | 202039066847 |  |  | 2.5    | 6.1   | 3.94  |

|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 40 | 202039069247 |  |  | 12.25 | 12.4  | 12.31 |
| 41 | 202039066447 |  |  | 8.0   | 12.85 | 9.94  |
| 42 | 202039069760 |  |  | 7.5   | 12.45 | 9.48  |
| 43 | 202039069251 |  |  | 1.25  | 7.68  | 3.82  |
| 44 | 202039069271 |  |  | 4.0   | 7.23  | 5.29  |

Signature de l'enseignant:

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2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** biomembranes et communications cellulaires / A / 3

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 191939068368 |  |  | 8.0    | 9.7   | 8.68  |
| 2  | 202039070191 |  |  | 9.0    | 8.8   | 8.92  |
| 3  | 202039061820 |  |  | 3.0    | 11.28 | 6.31  |
| 4  | 202039071622 |  |  | 5.0    | 7.9   | 6.16  |
| 5  | 202039071752 |  |  | 3.0    | 6.78  | 4.51  |
| 6  | 202039070648 |  |  | 3.0    | 11.28 | 6.31  |
| 7  | 202039072027 |  |  | 4.75   | 7.68  | 5.92  |
| 8  | 192039076210 |  |  | 8.0    | 16.45 | 11.38 |
| 9  | 202039070525 |  |  | 6.25   | 13.08 | 8.98  |
| 10 | 202039071332 |  |  | 6.0    | 13.08 | 8.83  |
| 11 | 202039072240 |  |  | 4.0    | 8.13  | 5.65  |
| 12 | 202039065995 |  |  | 8.0    | 6.1   | 7.24  |
| 13 | 202039070123 |  |  | 11.0   | 11.05 | 11.02 |
| 14 | 191939073090 |  |  | 2.5    | 8.13  | 4.75  |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 15 | 202039071583 |  |  | 0.25 | 8.58  | 3.58  |
| 16 | 202039071753 |  |  | 2.0  | 13.75 | 6.7   |
| 17 | 202039070116 |  |  | 2.0  | 11.73 | 5.89  |
| 18 | 202039061922 |  |  | 9.0  | 8.8   | 8.92  |
| 19 | 202039062920 |  |  | 6.5  | 12.63 | 8.95  |
| 20 | 202039070911 |  |  | 1.0  | 9.48  | 4.39  |
| 21 | 202039072172 |  |  | 0.0  | 0.0   | 0.0   |
| 22 | 202039069775 |  |  | 4.0  | 6.1   | 4.84  |
| 23 | 202039072227 |  |  | 1.0  | 7.9   | 3.76  |
| 24 | 202039070518 |  |  | 1.0  | 8.35  | 3.94  |
| 25 | 202039076283 |  |  | 0.0  | 11.05 | 4.42  |
| 26 | 202039071596 |  |  | 5.0  | 7.45  | 5.98  |
| 27 | 202039070091 |  |  | 4.0  | 8.8   | 5.92  |
| 28 | 202039076634 |  |  | 6.5  | 11.35 | 8.44  |
| 29 | 202039071570 |  |  | 5.0  | 11.05 | 7.42  |
| 30 | 202039062876 |  |  | 6.0  | 7.9   | 6.76  |
| 31 | 202039072258 |  |  | 5.5  | 10.6  | 7.54  |
| 32 | 202039071163 |  |  | 2.5  | 9.93  | 5.47  |
| 33 | 202039069720 |  |  | 5.25 | 16.68 | 9.82  |
| 34 | 202039070228 |  |  | 4.5  | 8.8   | 6.22  |
| 35 | 202039071700 |  |  | 5.75 | 9.48  | 7.24  |
| 36 | 202039076544 |  |  | 5.5  | 7.0   | 6.1   |
| 37 | 202039071365 |  |  | 2.0  | 11.05 | 5.62  |
| 38 | 202039061935 |  |  | 7.0  | 15.35 | 10.34 |
| 39 | 202039071624 |  |  | 1.0  | 10.15 | 4.66  |
| 40 | 202039071618 |  |  | 2.0  | 9.05  | 4.82  |
| 41 | 202039070264 |  |  | 11.0 | 12.18 | 11.47 |
| 42 | 202039050780 |  |  | 4.5  | 11.28 | 7.21  |
| 43 | 202039068435 |  |  | 0.25 | 7.23  | 3.04  |
| 44 | 202039070255 |  |  | 8.0  | 6.55  | 7.42  |
| 45 | 202039071632 |  |  | 5.5  | 6.8   | 6.02  |
| 46 | 181839064375 |  |  | 6.25 | 8.35  | 7.09  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** biomembranes et communications cellulaires / A / 4**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039066389 |  |  | 17.75  | 12.63 | 15.7  |
| 2  | 202039063722 |  |  | 1.0    | 6.8   | 3.32  |
| 3  | 202039064567 |  |  | 7.5    | 9.48  | 8.29  |
| 4  | 202039070599 |  |  | 5.5    | 11.28 | 7.81  |
| 5  | 202039069764 |  |  | 10.0   | 5.9   | 8.36  |
| 6  | 202039064547 |  |  | 10.0   | 12.63 | 11.05 |
| 7  | 202039064198 |  |  | 13.25  | 13.75 | 13.45 |
| 8  | 202039070138 |  |  | 6.5    | 10.38 | 8.05  |
| 9  | 202039066404 |  |  | 6.0    | 8.35  | 6.94  |
| 10 | 191939069328 |  |  | 2.0    | 10.83 | 5.53  |
| 11 | 202039070529 |  |  | 1.5    | 7.48  | 3.89  |
| 12 | 202039075845 |  |  | 4.5    | 6.35  | 5.24  |
| 13 | 202039067639 |  |  | 5.75   | 12.65 | 8.51  |
| 14 | 202039070082 |  |  | 9.0    | 8.8   | 8.92  |
| 15 | 192039075920 |  |  | 7.0    | 7.45  | 7.18  |
| 16 | 171739068183 |  |  | 7.0    | 7.5   | 7.2   |
| 17 | 202039062658 |  |  | 6.0    | 13.3  | 8.92  |
| 18 | 202039066401 |  |  | 8.75   | 13.53 | 10.66 |
| 19 | 202039064148 |  |  | 7.0    | 6.1   | 6.64  |
| 20 | 202039070857 |  |  | 2.25   | 9.93  | 5.32  |
| 21 | 202039066008 |  |  | 6.25   | 10.6  | 7.99  |
| 22 | 202039067758 |  |  | 5.5    | 7.68  | 6.37  |
| 23 | 202039071594 |  |  | 11.75  | 14.23 | 12.74 |
| 24 | 202039066393 |  |  | 5.0    | 6.43  | 5.57  |
| 25 | 202039064173 |  |  | 10.0   | 10.4  | 10.16 |
| 26 | 202039064235 |  |  | 3.0    | 7.03  | 4.61  |
| 27 | 202039062855 |  |  | 2.5    | 8.13  | 4.75  |
| 28 | 202039070982 |  |  | 8.0    | 16.68 | 11.47 |
| 29 | 202039063806 |  |  | 9.0    | 12.85 | 10.54 |
| 30 | 202039064550 |  |  | 5.0    | 6.55  | 5.62  |
| 31 | 202039070051 |  |  | 8.5    | 8.8   | 8.62  |
| 32 | 202039069743 |  |  | 7.0    | 9.28  | 7.91  |
| 33 | 202039070136 |  |  | 6.0    | 11.05 | 8.02  |
| 34 | 202039071665 |  |  | 11.25  | 15.1  | 12.79 |
| 35 | 202039069700 |  |  | 2.25   | 5.48  | 3.54  |
| 36 | 202039063755 |  |  | 5.0    | 9.25  | 6.7   |
| 37 | 202039067774 |  |  | 10.0   | 9.93  | 9.97  |
| 38 | 202039071544 |  |  | 5.75   | 10.4  | 7.61  |
| 39 | 202039071564 |  |  | 7.0    | 11.28 | 8.71  |

|    |              |  |  |     |      |      |
|----|--------------|--|--|-----|------|------|
| 40 | 202039066078 |  |  | 8.0 | 5.7  | 7.08 |
| 41 | 202039067311 |  |  | 5.0 | 7.93 | 6.17 |

Signature de l'enseignant:

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2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** biomembranes et communications cellulaires / A / 5

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067276 |  |  | 1.5    | 8.8   | 4.42  |
| 2  | 191939078888 |  |  | 4.0    | 10.5  | 6.6   |
| 3  | 202039066000 |  |  | 6.0    | 10.15 | 7.66  |
| 4  | 202039064602 |  |  | 6.75   | 12.85 | 9.19  |
| 5  | 191939066858 |  |  | 3.0    | 12.0  | 6.6   |
| 6  | 191939068783 |  |  | 0.25   | 11.5  | 4.75  |
| 7  | 202039068817 |  |  | 9.0    | 11.98 | 10.19 |
| 8  | 181839073050 |  |  | 3.0    | 14.0  | 7.4   |
| 9  | 171737006915 |  |  | 4.25   | 0.0   | 2.55  |
| 10 | 191939064268 |  |  | 0.0    | 0.0   | 0.0   |
| 11 | 202039065206 |  |  | 7.0    | 9.7   | 8.08  |
| 12 | 202039071191 |  |  | 9.25   | 13.08 | 10.78 |
| 13 | 191939073137 |  |  | 6.0    | 10.5  | 7.8   |
| 14 | 191939070816 |  |  | 10.0   | 12.85 | 11.14 |

|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 15 | 202039065359 |  |  | 9.0   | 10.43 | 9.57  |
| 16 | 202039065374 |  |  | 2.5   | 8.8   | 5.02  |
| 17 | 202039062100 |  |  | 3.5   | 7.23  | 4.99  |
| 18 | 202039070251 |  |  | 5.0   | 9.28  | 6.71  |
| 19 | 191939071698 |  |  | 0.25  | 10.5  | 4.35  |
| 20 | 191939066847 |  |  | 2.0   | 12.0  | 6.0   |
| 21 | 191939063651 |  |  | 3.0   | 10.0  | 5.8   |
| 22 | 191939073660 |  |  | 3.0   | 12.0  | 6.6   |
| 23 | 191939069761 |  |  | 10.3  | 10.3  | 10.3  |
| 24 | 191939065419 |  |  | 0.25  | 13.5  | 5.55  |
| 25 | 202039076678 |  |  | 11.0  | 11.28 | 11.11 |
| 26 | 171739072751 |  |  | 12.0  | 13.0  | 12.4  |
| 27 | 202039071609 |  |  | 12.25 | 11.5  | 11.95 |
| 28 | 191939063517 |  |  | 0.0   | 0.0   | 0.0   |
| 29 | 191939065169 |  |  | 10.5  | 5.9   | 8.66  |
| 30 | 191939063685 |  |  | 3.5   | 14.0  | 7.7   |
| 31 | 202039049154 |  |  | 5.0   | 6.35  | 5.54  |
| 32 | 202039065410 |  |  | 13.75 | 11.05 | 12.67 |
| 33 | 191939073103 |  |  | 4.25  | 6.15  | 5.01  |
| 34 | 191939071305 |  |  | 4.0   | 8.0   | 5.6   |
| 35 | 202039064250 |  |  | 9.5   | 12.85 | 10.84 |
| 36 | 202039069668 |  |  | 6.25  | 8.8   | 7.27  |
| 37 | 191939066957 |  |  | 0.0   | 0.0   | 0.0   |
| 38 | 191939073139 |  |  | 2.5   | 15.0  | 7.5   |
| 39 | 191939066831 |  |  | 4.0   | 13.0  | 7.6   |
| 40 | 181839062696 |  |  | 0.0   | 0.0   | 0.0   |
| 41 | 202039064667 |  |  | 4.0   | 8.58  | 5.83  |
| 42 | 191939066922 |  |  | 4.0   | 13.0  | 7.6   |
| 43 | 202039067260 |  |  | 4.5   | 8.35  | 6.04  |

Signature de l'enseignant:

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2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** biostatistique / A / 1**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039062096 |  |  | 8.0    | 15.63 | 11.05 |
| 2  | 202039063487 |  |  | 7.0    | 15.13 | 10.25 |
| 3  | 202039062805 |  |  | 0.0    | 10.13 | 4.05  |
| 4  | 202039065480 |  |  | 6.0    | 12.0  | 8.4   |
| 5  | 202039062865 |  |  | 10.0   | 14.5  | 11.8  |
| 6  | 202039062105 |  |  | 13.5   | 14.5  | 13.9  |
| 7  | 202039061761 |  |  | 3.0    | 11.38 | 6.35  |
| 8  | 191939054721 |  |  | 5.0    | 12.0  | 7.8   |
| 9  | 202039061891 |  |  | 6.0    | 12.0  | 8.4   |
| 10 | 202039076869 |  |  | 4.0    | 8.0   | 5.6   |
| 11 | 202039062878 |  |  | 10.0   | 13.25 | 11.3  |
| 12 | 202039053763 |  |  | 3.0    | 9.5   | 5.6   |
| 13 | 202039071342 |  |  | 8.0    | 13.63 | 10.25 |
| 14 | 202039064137 |  |  | 8.0    | 13.63 | 10.25 |
| 15 | 202039065412 |  |  | 7.0    | 10.0  | 8.2   |
| 16 | 202039062692 |  |  | 10.0   | 12.63 | 11.05 |
| 17 | 202039061855 |  |  | 8.0    | 13.13 | 10.05 |
| 18 | 202039067669 |  |  | 6.0    | 12.5  | 8.6   |
| 19 | 202039062712 |  |  | 11.0   | 13.88 | 12.15 |
| 20 | 202039066002 |  |  | 8.0    | 14.25 | 10.5  |
| 21 | 202039065281 |  |  | 7.0    | 13.25 | 9.5   |
| 22 | 202039064214 |  |  | 4.0    | 8.0   | 5.6   |
| 23 | 202039063347 |  |  | 4.0    | 15.13 | 8.45  |
| 24 | 191939063731 |  |  | 7.0    | 13.13 | 9.45  |
| 25 | 202039063575 |  |  | 8.0    | 12.5  | 9.8   |
| 26 | 202039061830 |  |  | 7.0    | 12.63 | 9.25  |
| 27 | 191939070031 |  |  | 4.0    | 11.38 | 6.95  |
| 28 | 202039062572 |  |  | 6.0    | 12.63 | 8.65  |
| 29 | 202039062040 |  |  | 5.0    | 11.9  | 7.76  |
| 30 | 202039061848 |  |  | 0.0    | 16.75 | 6.7   |
| 31 | 202039064575 |  |  | 10.0   | 12.5  | 11.0  |
| 32 | 202039065504 |  |  | 8.0    | 10.0  | 8.8   |
| 33 | 202039053794 |  |  | 0.0    | 11.88 | 4.75  |
| 34 | 202039062645 |  |  | 5.0    | 8.13  | 6.25  |
| 35 | 202039065126 |  |  | 8.0    | 13.75 | 10.3  |
| 36 | 202039061709 |  |  | 20.0   | 16.75 | 18.7  |
| 37 | 202039062916 |  |  | 8.0    | 14.5  | 10.6  |
| 38 | 202039062700 |  |  | 11.0   | 14.5  | 12.4  |
| 39 | 202039069751 |  |  | 8.0    | 14.25 | 10.5  |



|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 40 | 202039062625 |  |  | 7.0  | 15.75 | 10.5  |
| 41 | 202039065189 |  |  | 11.0 | 13.88 | 12.15 |

Signature de l'enseignant:

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2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** biostatistique / A / 2

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067193 |  |  | 10.0   | 16.75 | 12.7  |
| 2  | 202039068468 |  |  | 7.0    | 13.0  | 9.4   |
| 3  | 202039068453 |  |  | 8.0    | 14.25 | 10.5  |
| 4  | 202039067123 |  |  | 10.0   | 11.88 | 10.75 |
| 5  | 202039068469 |  |  | 7.0    | 11.75 | 8.9   |
| 6  | 202039069730 |  |  | 10.0   | 14.25 | 11.7  |
| 7  | 202039069745 |  |  | 8.0    | 16.75 | 11.5  |
| 8  | 202039068524 |  |  | 7.0    | 13.0  | 9.4   |
| 9  | 202039071907 |  |  | 7.0    | 11.13 | 8.65  |
| 10 | 202039066409 |  |  | 10.0   | 13.0  | 11.2  |
| 11 | 202039068119 |  |  | 7.0    | 12.0  | 9.0   |
| 12 | 202039066415 |  |  | 13.0   | 14.25 | 13.5  |
| 13 | 202039068451 |  |  | 10.0   | 15.5  | 12.2  |
| 14 | 202039069752 |  |  | 10.0   | 17.0  | 12.8  |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 15 | 202039069753 |  |  | 8.0  | 0.0   | 4.8   |
| 16 | 202039069242 |  |  | 8.0  | 11.88 | 9.55  |
| 17 | 202039066413 |  |  | 13.5 | 13.88 | 13.65 |
| 18 | 202039066496 |  |  | 8.0  | 14.88 | 10.75 |
| 19 | 202039067109 |  |  | 11.0 | 14.88 | 12.55 |
| 20 | 202039069394 |  |  | 6.0  | 12.5  | 8.6   |
| 21 | 202039067277 |  |  | 10.0 | 16.13 | 12.45 |
| 22 | 202039066798 |  |  | 10.0 | 14.88 | 11.95 |
| 23 | 202039066423 |  |  | 12.0 | 16.13 | 13.65 |
| 24 | 202039067152 |  |  | 10.0 | 16.75 | 12.7  |
| 25 | 202039066761 |  |  | 7.0  | 12.5  | 9.2   |
| 26 | 202039064242 |  |  | 7.0  | 15.5  | 10.4  |
| 27 | 202039067627 |  |  | 8.0  | 12.0  | 9.6   |
| 28 | 202039067696 |  |  | 6.0  | 12.0  | 8.4   |
| 29 | 202039067316 |  |  | 10.0 | 16.13 | 12.45 |
| 30 | 202039068489 |  |  | 11.0 | 14.5  | 12.4  |
| 31 | 202039067651 |  |  | 4.0  | 13.0  | 7.6   |
| 32 | 202039071338 |  |  | 8.0  | 14.5  | 10.6  |
| 33 | 202039065151 |  |  | 7.0  | 13.25 | 9.5   |
| 34 | 202039062024 |  |  | 7.0  | 13.0  | 9.4   |
| 35 | 202039069812 |  |  | 6.0  | 13.0  | 8.8   |
| 36 | 202039068493 |  |  | 8.0  | 15.5  | 11.0  |
| 37 | 202039068526 |  |  | 8.0  | 10.5  | 9.0   |
| 38 | 202039069406 |  |  | 6.0  | 9.0   | 7.2   |
| 39 | 202039066847 |  |  | 10.0 | 15.5  | 12.2  |
| 40 | 202039069247 |  |  | 8.0  | 14.0  | 10.4  |
| 41 | 202039066447 |  |  | 14.0 | 16.75 | 15.1  |
| 42 | 202039069760 |  |  | 4.0  | 12.38 | 7.35  |
| 43 | 202039069251 |  |  | 7.0  | 8.75  | 7.7   |
| 44 | 202039069271 |  |  | 4.0  | 7.5   | 5.4   |

Signature de l'enseignant:

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** biostatistique / A / 3**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 191939068368 |  |  | 10.0   | 12.5  | 11.0  |
| 2  | 202039070191 |  |  | 10.0   | 11.75 | 10.7  |
| 3  | 202039061820 |  |  | 8.0    | 12.63 | 9.85  |
| 4  | 202039071622 |  |  | 11.0   | 14.88 | 12.55 |
| 5  | 202039071752 |  |  | 10.0   | 13.75 | 11.5  |
| 6  | 202039070648 |  |  | 13.0   | 13.25 | 13.1  |
| 7  | 202039072027 |  |  | 5.0    | 8.5   | 6.4   |
| 8  | 192039076210 |  |  | 10.0   | 15.13 | 12.05 |
| 9  | 202039070525 |  |  | 8.0    | 10.75 | 9.1   |
| 10 | 202039071332 |  |  | 7.0    | 12.38 | 9.15  |
| 11 | 202039072240 |  |  | 5.0    | 12.0  | 7.8   |
| 12 | 202039065995 |  |  | 7.0    | 14.25 | 9.9   |
| 13 | 202039070123 |  |  | 7.0    | 12.5  | 9.2   |
| 14 | 191939073090 |  |  | 4.0    | 11.38 | 6.95  |
| 15 | 202039071583 |  |  | 7.0    | 15.13 | 10.25 |
| 16 | 202039071753 |  |  | 8.0    | 15.13 | 10.85 |
| 17 | 202039070116 |  |  | 11.5   | 12.5  | 11.9  |
| 18 | 202039061922 |  |  | 10.0   | 14.88 | 11.95 |
| 19 | 202039062920 |  |  | 12.0   | 15.13 | 13.25 |
| 20 | 202039070911 |  |  | 3.0    | 7.5   | 4.8   |
| 21 | 202039072172 |  |  | 0.0    | 0.0   | 0.0   |
| 22 | 202039069775 |  |  | 11.0   | 13.0  | 11.8  |
| 23 | 202039072227 |  |  | 0.0    | 9.5   | 3.8   |
| 24 | 202039070518 |  |  | 7.0    | 9.5   | 8.0   |
| 25 | 202039076283 |  |  | 0.0    | 7.0   | 2.8   |
| 26 | 202039071596 |  |  | 6.0    | 11.63 | 8.25  |
| 27 | 202039070091 |  |  | 7.0    | 16.13 | 10.65 |
| 28 | 202039076634 |  |  | 7.0    | 13.0  | 9.4   |
| 29 | 202039071570 |  |  | 10.0   | 13.0  | 11.2  |
| 30 | 202039062876 |  |  | 11.0   | 13.88 | 12.15 |
| 31 | 202039072258 |  |  | 13.0   | 13.5  | 13.2  |
| 32 | 202039071163 |  |  | 10.0   | 13.88 | 11.55 |
| 33 | 202039069720 |  |  | 7.0    | 14.25 | 9.9   |
| 34 | 202039070228 |  |  | 8.0    | 10.0  | 8.8   |
| 35 | 202039071700 |  |  | 9.0    | 15.13 | 11.45 |
| 36 | 202039076544 |  |  | 10.0   | 13.0  | 11.2  |
| 37 | 202039071365 |  |  | 6.0    | 10.13 | 7.65  |
| 38 | 202039061935 |  |  | 8.0    | 14.5  | 10.6  |
| 39 | 202039071624 |  |  | 10.0   | 10.0  | 10.0  |

|    |              |  |  |      |       |      |
|----|--------------|--|--|------|-------|------|
| 40 | 202039071618 |  |  | 10.0 | 10.0  | 10.0 |
| 41 | 202039070264 |  |  | 10.0 | 17.25 | 12.9 |
| 42 | 202039050780 |  |  | 8.0  | 14.25 | 10.5 |
| 43 | 202039068435 |  |  | 5.0  | 13.25 | 8.3  |
| 44 | 202039070255 |  |  | 7.0  | 10.0  | 8.2  |
| 45 | 202039071632 |  |  | 5.0  | 11.75 | 7.7  |
| 46 | 181839064375 |  |  | 10.0 | 14.5  | 11.8 |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** biostatistique / A / 4

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039066389 |  |  | 12.0   | 16.75 | 13.9  |
| 2  | 202039063722 |  |  | 8.0    | 13.5  | 10.2  |
| 3  | 202039064567 |  |  | 10.0   | 13.0  | 11.2  |
| 4  | 202039070599 |  |  | 10.0   | 14.25 | 11.7  |
| 5  | 202039069764 |  |  | 8.0    | 13.0  | 10.0  |
| 6  | 202039064547 |  |  | 7.0    | 12.38 | 9.15  |
| 7  | 202039064198 |  |  | 10.0   | 17.25 | 12.9  |
| 8  | 202039070138 |  |  | 5.0    | 11.75 | 7.7   |
| 9  | 202039066404 |  |  | 6.0    | 14.25 | 9.3   |
| 10 | 191939069328 |  |  | 8.0    | 16.25 | 11.3  |
| 11 | 202039070529 |  |  | 7.0    | 11.38 | 8.75  |
| 12 | 202039075845 |  |  | 5.0    | 11.5  | 7.6   |
| 13 | 202039067639 |  |  | 10.0   | 14.38 | 11.75 |
| 14 | 202039070082 |  |  | 10.0   | 17.25 | 12.9  |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 15 | 192039075920 |  |  | 10.0 | 13.0  | 11.2  |
| 16 | 171739068183 |  |  | 6.0  | 10.0  | 7.6   |
| 17 | 202039062658 |  |  | 8.0  | 16.75 | 11.5  |
| 18 | 202039066401 |  |  | 12.0 | 17.25 | 14.1  |
| 19 | 202039064148 |  |  | 8.0  | 15.5  | 11.0  |
| 20 | 202039070857 |  |  | 4.0  | 11.75 | 7.1   |
| 21 | 202039066008 |  |  | 11.0 | 11.25 | 11.1  |
| 22 | 202039067758 |  |  | 8.0  | 13.0  | 10.0  |
| 23 | 202039071594 |  |  | 13.5 | 16.25 | 14.6  |
| 24 | 202039066393 |  |  | 6.0  | 12.38 | 8.55  |
| 25 | 202039064173 |  |  | 10.0 | 14.88 | 11.95 |
| 26 | 202039064235 |  |  | 6.0  | 13.63 | 9.05  |
| 27 | 202039062855 |  |  | 8.0  | 13.63 | 10.25 |
| 28 | 202039070982 |  |  | 8.0  | 16.75 | 11.5  |
| 29 | 202039063806 |  |  | 7.5  | 15.5  | 10.7  |
| 30 | 202039064550 |  |  | 7.0  | 16.0  | 10.6  |
| 31 | 202039070051 |  |  | 8.0  | 15.5  | 11.0  |
| 32 | 202039069743 |  |  | 8.0  | 13.0  | 10.0  |
| 33 | 202039070136 |  |  | 8.0  | 15.5  | 11.0  |
| 34 | 202039071665 |  |  | 8.0  | 14.25 | 10.5  |
| 35 | 202039069700 |  |  | 4.0  | 11.0  | 6.8   |
| 36 | 202039063755 |  |  | 8.0  | 13.0  | 10.0  |
| 37 | 202039067774 |  |  | 8.0  | 15.5  | 11.0  |
| 38 | 202039071544 |  |  | 10.0 | 12.38 | 10.95 |
| 39 | 202039071564 |  |  | 8.0  | 11.75 | 9.5   |
| 40 | 202039066078 |  |  | 10.0 | 11.25 | 10.5  |
| 41 | 202039067311 |  |  | 12.0 | 14.25 | 12.9  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** biostatistique / A / 5**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067276 |  |  | 8.0    | 13.0  | 10.0  |
| 2  | 191939078888 |  |  | 10.9   | 10.9  | 10.9  |
| 3  | 202039066000 |  |  | 11.0   | 13.88 | 12.15 |
| 4  | 202039064602 |  |  | 7.0    | 12.5  | 9.2   |
| 5  | 191939066858 |  |  | 5.0    | 14.0  | 8.6   |
| 6  | 191939068783 |  |  | 6.0    | 0.0   | 3.6   |
| 7  | 202039068817 |  |  | 8.0    | 8.13  | 8.05  |
| 8  | 181839073050 |  |  | 5.0    | 12.0  | 7.8   |
| 9  | 171737006915 |  |  | 5.0    | 0.0   | 3.0   |
| 10 | 191939064268 |  |  | 0.0    | 0.0   | 0.0   |
| 11 | 202039065206 |  |  | 10.0   | 13.88 | 11.55 |
| 12 | 202039071191 |  |  | 10.0   | 16.75 | 12.7  |
| 13 | 191939073137 |  |  | 6.0    | 12.0  | 8.4   |
| 14 | 191939070816 |  |  | 10.0   | 13.13 | 11.25 |
| 15 | 202039065359 |  |  | 10.0   | 14.88 | 11.95 |
| 16 | 202039065374 |  |  | 8.0    | 14.88 | 10.75 |
| 17 | 202039062100 |  |  | 10.0   | 11.25 | 10.5  |
| 18 | 202039070251 |  |  | 12.0   | 16.25 | 13.7  |
| 19 | 191939071698 |  |  | 6.0    | 14.0  | 9.2   |
| 20 | 191939066847 |  |  | 10.2   | 10.2  | 10.2  |
| 21 | 191939063651 |  |  | 3.0    | 0.0   | 1.8   |
| 22 | 191939073660 |  |  | 4.0    | 10.0  | 6.4   |
| 23 | 191939069761 |  |  | 8.0    | 12.0  | 9.6   |
| 24 | 191939065419 |  |  | 10.0   | 12.0  | 10.8  |
| 25 | 202039076678 |  |  | 6.0    | 10.63 | 7.85  |
| 26 | 171739072751 |  |  | 10.0   | 14.0  | 11.6  |
| 27 | 202039071609 |  |  | 17.5   | 15.13 | 16.55 |
| 28 | 191939063517 |  |  | 0.0    | 0.0   | 0.0   |
| 29 | 191939065169 |  |  | 5.0    | 11.88 | 7.75  |
| 30 | 191939063685 |  |  | 5.0    | 14.0  | 8.6   |
| 31 | 202039049154 |  |  | 8.5    | 11.25 | 9.6   |
| 32 | 202039065410 |  |  | 12.0   | 13.63 | 12.65 |
| 33 | 191939073103 |  |  | 6.0    | 11.0  | 8.0   |
| 34 | 191939071305 |  |  | 4.0    | 14.0  | 8.0   |
| 35 | 202039064250 |  |  | 10.0   | 13.13 | 11.25 |
| 36 | 202039069668 |  |  | 10.0   | 16.13 | 12.45 |
| 37 | 191939066957 |  |  | 0.0    | 0.0   | 0.0   |
| 38 | 191939073139 |  |  | 7.0    | 12.0  | 9.0   |
| 39 | 191939066831 |  |  | 5.0    | 8.13  | 6.25  |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 40 | 181839062696 |  |  | 0.0  | 0.0   | 0.0   |
| 41 | 202039064667 |  |  | 10.0 | 13.63 | 11.45 |
| 42 | 191939066922 |  |  | 10.8 | 10.8  | 10.8  |
| 43 | 202039067260 |  |  | 5.0  | 11.63 | 7.65  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** immunologie / A / 1

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

| #  | Matricule    |  |  | Examen | CC   | MG    |
|----|--------------|--|--|--------|------|-------|
| 1  | 202039062096 |  |  | 3.0    | 6.5  | 4.4   |
| 2  | 202039063487 |  |  | 11.5   | 17.0 | 13.7  |
| 3  | 202039062805 |  |  | 2.75   | 6.0  | 4.05  |
| 4  | 202039065480 |  |  | 5.0    | 4.0  | 4.6   |
| 5  | 202039062865 |  |  | 10.5   | 7.75 | 9.4   |
| 6  | 202039062105 |  |  | 11.75  | 15.5 | 13.25 |
| 7  | 202039061761 |  |  | 3.5    | 6.5  | 4.7   |
| 8  | 191939054721 |  |  | 5.5    | 7.5  | 6.3   |
| 9  | 202039061891 |  |  | 4.5    | 14.5 | 8.5   |
| 10 | 202039076869 |  |  | 0.0    | 0.0  | 0.0   |
| 11 | 202039062878 |  |  | 3.75   | 9.0  | 5.85  |
| 12 | 202039053763 |  |  | 1.75   | 6.5  | 3.65  |
| 13 | 202039071342 |  |  | 3.5    | 6.5  | 4.7   |
| 14 | 202039064137 |  |  | 1.5    | 6.5  | 3.5   |

|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 15 | 202039065412 |  |  | 9.75  | 10.75 | 10.15 |
| 16 | 202039062692 |  |  | 8.5   | 15.0  | 11.1  |
| 17 | 202039061855 |  |  | 5.5   | 11.0  | 7.7   |
| 18 | 202039067669 |  |  | 2.0   | 7.0   | 4.0   |
| 19 | 202039062712 |  |  | 6.5   | 4.0   | 5.5   |
| 20 | 202039066002 |  |  | 2.0   | 6.5   | 3.8   |
| 21 | 202039065281 |  |  | 3.75  | 5.5   | 4.45  |
| 22 | 202039064214 |  |  | 4.25  | 5.0   | 4.55  |
| 23 | 202039063347 |  |  | 2.25  | 7.75  | 4.45  |
| 24 | 191939063731 |  |  | 7.0   | 6.5   | 6.8   |
| 25 | 202039063575 |  |  | 4.25  | 6.5   | 5.15  |
| 26 | 202039061830 |  |  | 5.0   | 10.0  | 7.0   |
| 27 | 191939070031 |  |  | 1.5   | 4.0   | 2.5   |
| 28 | 202039062572 |  |  | 4.0   | 4.0   | 4.0   |
| 29 | 202039062040 |  |  | 4.0   | 10.0  | 6.4   |
| 30 | 202039061848 |  |  | 5.25  | 14.0  | 8.75  |
| 31 | 202039064575 |  |  | 12.25 | 15.5  | 13.55 |
| 32 | 202039065504 |  |  | 3.0   | 11.5  | 6.4   |
| 33 | 202039053794 |  |  | 5.75  | 6.5   | 6.05  |
| 34 | 202039062645 |  |  | 1.0   | 8.0   | 3.8   |
| 35 | 202039065126 |  |  | 9.75  | 18.5  | 13.25 |
| 36 | 202039061709 |  |  | 20.0  | 20.0  | 20.0  |
| 37 | 202039062916 |  |  | 9.25  | 17.5  | 12.55 |
| 38 | 202039062700 |  |  | 11.25 | 16.0  | 13.15 |
| 39 | 202039069751 |  |  | 2.75  | 6.5   | 4.25  |
| 40 | 202039062625 |  |  | 3.75  | 13.0  | 7.45  |
| 41 | 202039065189 |  |  | 3.25  | 12.25 | 6.85  |

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2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** immunologie / A / 2**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067193 |  |  | 2.75   | 8.5   | 5.05  |
| 2  | 202039068468 |  |  | 3.0    | 6.5   | 4.4   |
| 3  | 202039068453 |  |  | 4.5    | 0.0   | 2.7   |
| 4  | 202039067123 |  |  | 2.0    | 4.0   | 2.8   |
| 5  | 202039068469 |  |  | 3.75   | 4.0   | 3.85  |
| 6  | 202039069730 |  |  | 4.25   | 11.5  | 7.15  |
| 7  | 202039069745 |  |  | 3.75   | 12.5  | 7.25  |
| 8  | 202039068524 |  |  | 3.0    | 4.0   | 3.4   |
| 9  | 202039071907 |  |  | 7.75   | 4.0   | 6.25  |
| 10 | 202039066409 |  |  | 1.75   | 7.75  | 4.15  |
| 11 | 202039068119 |  |  | 2.25   | 4.0   | 2.95  |
| 12 | 202039066415 |  |  | 6.5    | 11.5  | 8.5   |
| 13 | 202039068451 |  |  | 4.25   | 7.75  | 5.65  |
| 14 | 202039069752 |  |  | 11.0   | 16.0  | 13.0  |
| 15 | 202039069753 |  |  | 11.75  | 11.5  | 11.65 |
| 16 | 202039069242 |  |  | 2.25   | 6.5   | 3.95  |
| 17 | 202039066413 |  |  | 11.5   | 20.0  | 14.9  |
| 18 | 202039066496 |  |  | 4.25   | 11.5  | 7.15  |
| 19 | 202039067109 |  |  | 6.0    | 16.0  | 10.0  |
| 20 | 202039069394 |  |  | 4.25   | 9.75  | 6.45  |
| 21 | 202039067277 |  |  | 1.75   | 4.0   | 2.65  |
| 22 | 202039066798 |  |  | 4.5    | 6.5   | 5.3   |
| 23 | 202039066423 |  |  | 8.75   | 10.5  | 9.45  |
| 24 | 202039067152 |  |  | 2.25   | 6.5   | 3.95  |
| 25 | 202039066761 |  |  | 5.0    | 7.5   | 6.0   |
| 26 | 202039064242 |  |  | 3.25   | 6.5   | 4.55  |
| 27 | 202039067627 |  |  | 7.75   | 11.5  | 9.25  |
| 28 | 202039067696 |  |  | 3.75   | 4.0   | 3.85  |
| 29 | 202039067316 |  |  | 2.5    | 6.5   | 4.1   |
| 30 | 202039068489 |  |  | 4.75   | 7.5   | 5.85  |
| 31 | 202039067651 |  |  | 5.75   | 8.5   | 6.85  |
| 32 | 202039071338 |  |  | 7.0    | 10.25 | 8.3   |
| 33 | 202039065151 |  |  | 2.25   | 7.75  | 4.45  |
| 34 | 202039062024 |  |  | 1.25   | 6.25  | 3.25  |
| 35 | 202039069812 |  |  | 2.75   | 7.5   | 4.65  |
| 36 | 202039068493 |  |  | 5.5    | 7.0   | 6.1   |
| 37 | 202039068526 |  |  | 3.5    | 5.0   | 4.1   |
| 38 | 202039069406 |  |  | 2.5    | 0.0   | 1.5   |
| 39 | 202039066847 |  |  | 4.75   | 5.25  | 4.95  |

|    |              |  |  |      |      |       |
|----|--------------|--|--|------|------|-------|
| 40 | 202039069247 |  |  | 3.5  | 6.75 | 4.8   |
| 41 | 202039066447 |  |  | 7.75 | 16.0 | 11.05 |
| 42 | 202039069760 |  |  | 9.75 | 16.0 | 12.25 |
| 43 | 202039069251 |  |  | 6.25 | 4.0  | 5.35  |
| 44 | 202039069271 |  |  | 2.5  | 6.5  | 4.1   |

Signature de l'enseignant:

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** immunologie / A / 3

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 191939068368 |  |  | 7.5    | 4.0   | 6.1   |
| 2  | 202039070191 |  |  | 2.5    | 6.0   | 3.9   |
| 3  | 202039061820 |  |  | 7.75   | 8.5   | 8.05  |
| 4  | 202039071622 |  |  | 6.25   | 9.0   | 7.35  |
| 5  | 202039071752 |  |  | 5.5    | 6.5   | 5.9   |
| 6  | 202039070648 |  |  | 3.5    | 5.0   | 4.1   |
| 7  | 202039072027 |  |  | 1.75   | 10.0  | 5.05  |
| 8  | 192039076210 |  |  | 10.75  | 16.0  | 12.85 |
| 9  | 202039070525 |  |  | 5.5    | 9.0   | 6.9   |
| 10 | 202039071332 |  |  | 9.75   | 10.25 | 9.95  |
| 11 | 202039072240 |  |  | 5.25   | 7.5   | 6.15  |
| 12 | 202039065995 |  |  | 4.25   | 10.5  | 6.75  |
| 13 | 202039070123 |  |  | 2.5    | 10.0  | 5.5   |
| 14 | 191939073090 |  |  | 2.5    | 5.5   | 3.7   |

|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 15 | 202039071583 |  |  | 5.0   | 8.75  | 6.5   |
| 16 | 202039071753 |  |  | 6.25  | 6.0   | 6.15  |
| 17 | 202039070116 |  |  | 2.75  | 7.5   | 4.65  |
| 18 | 202039061922 |  |  | 11.5  | 13.5  | 12.3  |
| 19 | 202039062920 |  |  | 5.75  | 8.75  | 6.95  |
| 20 | 202039070911 |  |  | 1.75  | 8.75  | 4.55  |
| 21 | 202039072172 |  |  | 0.0   | 0.0   | 0.0   |
| 22 | 202039069775 |  |  | 1.75  | 6.5   | 3.65  |
| 23 | 202039072227 |  |  | 3.0   | 0.0   | 1.8   |
| 24 | 202039070518 |  |  | 4.0   | 8.0   | 5.6   |
| 25 | 202039076283 |  |  | 15.0  | 11.25 | 13.5  |
| 26 | 202039071596 |  |  | 2.25  | 6.5   | 3.95  |
| 27 | 202039070091 |  |  | 8.25  | 4.0   | 6.55  |
| 28 | 202039076634 |  |  | 7.25  | 6.5   | 6.95  |
| 29 | 202039071570 |  |  | 10.75 | 13.5  | 11.85 |
| 30 | 202039062876 |  |  | 4.25  | 8.75  | 6.05  |
| 31 | 202039072258 |  |  | 2.0   | 4.0   | 2.8   |
| 32 | 202039071163 |  |  | 4.5   | 10.0  | 6.7   |
| 33 | 202039069720 |  |  | 10.5  | 13.0  | 11.5  |
| 34 | 202039070228 |  |  | 5.0   | 9.0   | 6.6   |
| 35 | 202039071700 |  |  | 2.25  | 12.5  | 6.35  |
| 36 | 202039076544 |  |  | 3.75  | 9.0   | 5.85  |
| 37 | 202039071365 |  |  | 3.25  | 6.5   | 4.55  |
| 38 | 202039061935 |  |  | 7.75  | 0.0   | 4.65  |
| 39 | 202039071624 |  |  | 2.75  | 10.0  | 5.65  |
| 40 | 202039071618 |  |  | 2.25  | 4.0   | 2.95  |
| 41 | 202039070264 |  |  | 7.25  | 16.5  | 10.95 |
| 42 | 202039050780 |  |  | 5.25  | 6.5   | 5.75  |
| 43 | 202039068435 |  |  | 2.0   | 7.5   | 4.2   |
| 44 | 202039070255 |  |  | 2.25  | 10.0  | 5.35  |
| 45 | 202039071632 |  |  | 1.5   | 10.0  | 4.9   |
| 46 | 181839064375 |  |  | 2.5   | 4.0   | 3.1   |

Signature de l'enseignant:

Le:

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** immunologie / A / 4**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC   | MG    |
|----|--------------|--|--|--------|------|-------|
| 1  | 202039066389 |  |  | 16.25  | 16.5 | 16.35 |
| 2  | 202039063722 |  |  | 3.0    | 6.5  | 4.4   |
| 3  | 202039064567 |  |  | 10.5   | 11.0 | 10.7  |
| 4  | 202039070599 |  |  | 8.0    | 7.0  | 7.6   |
| 5  | 202039069764 |  |  | 8.5    | 6.5  | 7.7   |
| 6  | 202039064547 |  |  | 7.5    | 7.5  | 7.5   |
| 7  | 202039064198 |  |  | 12.75  | 16.0 | 14.05 |
| 8  | 202039070138 |  |  | 3.25   | 8.0  | 5.15  |
| 9  | 202039066404 |  |  | 3.25   | 11.5 | 6.55  |
| 10 | 191939069328 |  |  | 6.75   | 13.5 | 9.45  |
| 11 | 202039070529 |  |  | 2.25   | 7.5  | 4.35  |
| 12 | 202039075845 |  |  | 0.0    | 6.5  | 2.6   |
| 13 | 202039067639 |  |  | 10.25  | 14.0 | 11.75 |
| 14 | 202039070082 |  |  | 8.0    | 10.0 | 8.8   |
| 15 | 192039075920 |  |  | 3.25   | 7.5  | 4.95  |
| 16 | 171739068183 |  |  | 6.0    | 6.5  | 6.2   |
| 17 | 202039062658 |  |  | 2.75   | 6.5  | 4.25  |
| 18 | 202039066401 |  |  | 10.5   | 15.0 | 12.3  |
| 19 | 202039064148 |  |  | 5.25   | 9.0  | 6.75  |
| 20 | 202039070857 |  |  | 3.25   | 8.75 | 5.45  |
| 21 | 202039066008 |  |  | 5.75   | 0.0  | 3.45  |
| 22 | 202039067758 |  |  | 4.0    | 4.0  | 4.0   |
| 23 | 202039071594 |  |  | 15.75  | 17.0 | 16.25 |
| 24 | 202039066393 |  |  | 4.0    | 7.5  | 5.4   |
| 25 | 202039064173 |  |  | 7.5    | 11.5 | 9.1   |
| 26 | 202039064235 |  |  | 5.25   | 4.0  | 4.75  |
| 27 | 202039062855 |  |  | 2.75   | 9.0  | 5.25  |
| 28 | 202039070982 |  |  | 2.25   | 0.0  | 1.35  |
| 29 | 202039063806 |  |  | 8.0    | 7.5  | 7.8   |
| 30 | 202039064550 |  |  | 4.25   | 7.75 | 5.65  |
| 31 | 202039070051 |  |  | 5.75   | 7.75 | 6.55  |
| 32 | 202039069743 |  |  | 6.5    | 7.5  | 6.9   |
| 33 | 202039070136 |  |  | 6.0    | 9.0  | 7.2   |
| 34 | 202039071665 |  |  | 3.75   | 7.5  | 5.25  |
| 35 | 202039069700 |  |  | 4.5    | 6.5  | 5.3   |
| 36 | 202039063755 |  |  | 1.75   | 6.5  | 3.65  |
| 37 | 202039067774 |  |  | 3.5    | 8.5  | 5.5   |
| 38 | 202039071544 |  |  | 3.75   | 5.0  | 4.25  |
| 39 | 202039071564 |  |  | 5.0    | 7.75 | 6.1   |

|    |              |  |  |       |      |       |
|----|--------------|--|--|-------|------|-------|
| 40 | 202039066078 |  |  | 3.0   | 4.0  | 3.4   |
| 41 | 202039067311 |  |  | 11.25 | 10.0 | 10.75 |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** immunologie / A / 5

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

| #  | Matricule    |  |  | Examen | CC   | MG    |
|----|--------------|--|--|--------|------|-------|
| 1  | 202039067276 |  |  | 5.5    | 4.0  | 4.9   |
| 2  | 191939078888 |  |  | 3.25   | 10.0 | 5.95  |
| 3  | 202039066000 |  |  | 5.0    | 9.5  | 6.8   |
| 4  | 202039064602 |  |  | 3.5    | 7.5  | 5.1   |
| 5  | 191939066858 |  |  | 2.25   | 14.0 | 6.95  |
| 6  | 191939068783 |  |  | 3.25   | 4.0  | 3.55  |
| 7  | 202039068817 |  |  | 6.5    | 10.0 | 7.9   |
| 8  | 181839073050 |  |  | 3.75   | 7.5  | 5.25  |
| 9  | 171737006915 |  |  | 2.5    | 0.0  | 1.5   |
| 10 | 191939064268 |  |  | 0.0    | 0.0  | 0.0   |
| 11 | 202039065206 |  |  | 7.0    | 10.0 | 8.2   |
| 12 | 202039071191 |  |  | 11.0   | 12.0 | 11.4  |
| 13 | 191939073137 |  |  | 2.25   | 14.0 | 6.95  |
| 14 | 191939070816 |  |  | 16.75  | 17.0 | 16.85 |

|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 15 | 202039065359 |  |  | 7.0   | 14.5  | 10.0  |
| 16 | 202039065374 |  |  | 6.5   | 11.5  | 8.5   |
| 17 | 202039062100 |  |  | 10.25 | 7.0   | 8.95  |
| 18 | 202039070251 |  |  | 1.5   | 6.5   | 3.5   |
| 19 | 191939071698 |  |  | 1.5   | 4.0   | 2.5   |
| 20 | 191939066847 |  |  | 2.0   | 4.0   | 2.8   |
| 21 | 191939063651 |  |  | 0.0   | 4.0   | 1.6   |
| 22 | 191939073660 |  |  | 0.0   | 4.0   | 1.6   |
| 23 | 191939069761 |  |  | 3.75  | 8.75  | 5.75  |
| 24 | 191939065419 |  |  | 3.5   | 6.5   | 4.7   |
| 25 | 202039076678 |  |  | 3.5   | 7.5   | 5.1   |
| 26 | 171739072751 |  |  | 14.0  | 13.0  | 13.6  |
| 27 | 202039071609 |  |  | 8.5   | 14.5  | 10.9  |
| 28 | 191939063517 |  |  | 0.0   | 0.0   | 0.0   |
| 29 | 191939065169 |  |  | 5.25  | 8.0   | 6.35  |
| 30 | 191939063685 |  |  | 1.25  | 15.0  | 6.75  |
| 31 | 202039049154 |  |  | 1.5   | 0.0   | 0.9   |
| 32 | 202039065410 |  |  | 5.25  | 11.75 | 7.85  |
| 33 | 191939073103 |  |  | 0.0   | 6.5   | 2.6   |
| 34 | 191939071305 |  |  | 4.75  | 7.5   | 5.85  |
| 35 | 202039064250 |  |  | 15.25 | 14.0  | 14.75 |
| 36 | 202039069668 |  |  | 5.5   | 10.0  | 7.3   |
| 37 | 191939066957 |  |  | 0.0   | 0.0   | 0.0   |
| 38 | 191939073139 |  |  | 5.0   | 6.5   | 5.6   |
| 39 | 191939066831 |  |  | 3.25  | 0.0   | 1.95  |
| 40 | 181839062696 |  |  | 0.0   | 0.0   | 0.0   |
| 41 | 202039064667 |  |  | 6.0   | 10.0  | 7.6   |
| 42 | 191939066922 |  |  | 0.75  | 0.0   | 0.45  |
| 43 | 202039067260 |  |  | 1.75  | 7.0   | 3.85  |

Signature de l'enseignant:

Le:

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** pharmacotoxicologie / A / 1**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG   |
|----|--------------|--|--|--------|-------|------|
| 1  | 202039062096 |  |  | 12.0   | 7.0   | 10.0 |
| 2  | 202039063487 |  |  | 7.0    | 11.75 | 8.9  |
| 3  | 202039062805 |  |  | 5.5    | 8.75  | 6.8  |
| 4  | 202039065480 |  |  | 6.0    | 9.0   | 7.2  |
| 5  | 202039062865 |  |  | 5.0    | 10.75 | 7.3  |
| 6  | 202039062105 |  |  | 12.0   | 16.0  | 13.6 |
| 7  | 202039061761 |  |  | 5.5    | 7.0   | 6.1  |
| 8  | 191939054721 |  |  | 2.5    | 7.0   | 4.3  |
| 9  | 202039061891 |  |  | 7.0    | 11.0  | 8.6  |
| 10 | 202039076869 |  |  | 4.5    | 0.0   | 2.7  |
| 11 | 202039062878 |  |  | 10.0   | 13.5  | 11.4 |
| 12 | 202039053763 |  |  | 6.0    | 7.0   | 6.4  |
| 13 | 202039071342 |  |  | 8.0    | 8.0   | 8.0  |
| 14 | 202039064137 |  |  | 3.0    | 6.75  | 4.5  |
| 15 | 202039065412 |  |  | 15.0   | 9.0   | 12.6 |
| 16 | 202039062692 |  |  | 8.5    | 11.5  | 9.7  |
| 17 | 202039061855 |  |  | 11.5   | 11.5  | 11.5 |
| 18 | 202039067669 |  |  | 9.0    | 7.0   | 8.2  |
| 19 | 202039062712 |  |  | 6.0    | 8.0   | 6.8  |
| 20 | 202039066002 |  |  | 5.0    | 10.0  | 7.0  |
| 21 | 202039065281 |  |  | 7.0    | 14.5  | 10.0 |
| 22 | 202039064214 |  |  | 6.0    | 7.0   | 6.4  |
| 23 | 202039063347 |  |  | 6.5    | 7.75  | 7.0  |
| 24 | 191939063731 |  |  | 13.5   | 10.0  | 12.1 |
| 25 | 202039063575 |  |  | 6.0    | 8.5   | 7.0  |
| 26 | 202039061830 |  |  | 10.0   | 8.0   | 9.2  |
| 27 | 191939070031 |  |  | 3.0    | 8.5   | 5.2  |
| 28 | 202039062572 |  |  | 9.0    | 7.5   | 8.4  |
| 29 | 202039062040 |  |  | 8.0    | 0.0   | 4.8  |
| 30 | 202039061848 |  |  | 12.0   | 12.0  | 12.0 |
| 31 | 202039064575 |  |  | 13.5   | 8.25  | 11.4 |
| 32 | 202039065504 |  |  | 11.0   | 9.5   | 10.4 |
| 33 | 202039053794 |  |  | 7.5    | 8.25  | 7.8  |
| 34 | 202039062645 |  |  | 12.0   | 10.0  | 11.2 |
| 35 | 202039065126 |  |  | 13.0   | 11.5  | 12.4 |
| 36 | 202039061709 |  |  | 17.0   | 18.0  | 17.4 |
| 37 | 202039062916 |  |  | 10.0   | 13.0  | 11.2 |
| 38 | 202039062700 |  |  | 13.5   | 12.5  | 13.1 |
| 39 | 202039069751 |  |  | 6.5    | 6.75  | 6.6  |

|    |              |  |  |      |       |      |
|----|--------------|--|--|------|-------|------|
| 40 | 202039062625 |  |  | 12.0 | 15.75 | 13.5 |
| 41 | 202039065189 |  |  | 11.0 | 11.5  | 11.2 |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** pharmacotoxicologie / A / 2

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

| #  | Matricule    |  |  | Examen | CC    | MG   |
|----|--------------|--|--|--------|-------|------|
| 1  | 202039067193 |  |  | 11.0   | 7.0   | 9.4  |
| 2  | 202039068468 |  |  | 4.0    | 0.0   | 2.4  |
| 3  | 202039068453 |  |  | 10.0   | 5.75  | 8.3  |
| 4  | 202039067123 |  |  | 11.0   | 8.5   | 10.0 |
| 5  | 202039068469 |  |  | 8.0    | 6.75  | 7.5  |
| 6  | 202039069730 |  |  | 6.5    | 6.75  | 6.6  |
| 7  | 202039069745 |  |  | 8.0    | 6.75  | 7.5  |
| 8  | 202039068524 |  |  | 5.5    | 6.5   | 5.9  |
| 9  | 202039071907 |  |  | 4.5    | 5.5   | 4.9  |
| 10 | 202039066409 |  |  | 6.0    | 7.0   | 6.4  |
| 11 | 202039068119 |  |  | 4.5    | 5.5   | 4.9  |
| 12 | 202039066415 |  |  | 12.5   | 13.5  | 12.9 |
| 13 | 202039068451 |  |  | 10.5   | 6.5   | 8.9  |
| 14 | 202039069752 |  |  | 11.0   | 12.25 | 11.5 |



|    |              |  |  |      |       |      |
|----|--------------|--|--|------|-------|------|
| 15 | 202039069753 |  |  | 12.5 | 11.0  | 11.9 |
| 16 | 202039069242 |  |  | 4.5  | 7.75  | 5.8  |
| 17 | 202039066413 |  |  | 10.5 | 13.5  | 11.7 |
| 18 | 202039066496 |  |  | 12.0 | 11.75 | 11.9 |
| 19 | 202039067109 |  |  | 10.0 | 12.0  | 10.8 |
| 20 | 202039069394 |  |  | 12.0 | 10.0  | 11.2 |
| 21 | 202039067277 |  |  | 11.5 | 7.5   | 9.9  |
| 22 | 202039066798 |  |  | 10.0 | 7.75  | 9.1  |
| 23 | 202039066423 |  |  | 11.0 | 13.25 | 11.9 |
| 24 | 202039067152 |  |  | 12.0 | 8.0   | 10.4 |
| 25 | 202039066761 |  |  | 13.0 | 8.5   | 11.2 |
| 26 | 202039064242 |  |  | 8.0  | 6.25  | 7.3  |
| 27 | 202039067627 |  |  | 7.5  | 7.0   | 7.3  |
| 28 | 202039067696 |  |  | 10.0 | 8.0   | 9.2  |
| 29 | 202039067316 |  |  | 12.0 | 9.0   | 10.8 |
| 30 | 202039068489 |  |  | 7.0  | 7.0   | 7.0  |
| 31 | 202039067651 |  |  | 11.0 | 14.0  | 12.2 |
| 32 | 202039071338 |  |  | 5.0  | 12.5  | 8.0  |
| 33 | 202039065151 |  |  | 11.5 | 11.0  | 11.3 |
| 34 | 202039062024 |  |  | 5.0  | 7.75  | 6.1  |
| 35 | 202039069812 |  |  | 12.5 | 8.0   | 10.7 |
| 36 | 202039068493 |  |  | 6.5  | 7.25  | 6.8  |
| 37 | 202039068526 |  |  | 8.5  | 11.0  | 9.5  |
| 38 | 202039069406 |  |  | 7.0  | 6.0   | 6.6  |
| 39 | 202039066847 |  |  | 11.0 | 10.0  | 10.6 |
| 40 | 202039069247 |  |  | 7.5  | 12.0  | 9.3  |
| 41 | 202039066447 |  |  | 15.0 | 10.5  | 13.2 |
| 42 | 202039069760 |  |  | 12.0 | 10.5  | 11.4 |
| 43 | 202039069251 |  |  | 8.0  | 8.25  | 8.1  |
| 44 | 202039069271 |  |  | 11.0 | 7.25  | 9.5  |

Signature de l'enseignant:

Le:

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** pharmacotoxicologie / A / 3**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG   |
|----|--------------|--|--|--------|-------|------|
| 1  | 191939068368 |  |  | 14.0   | 12.5  | 13.4 |
| 2  | 202039070191 |  |  | 8.0    | 10.0  | 8.8  |
| 3  | 202039061820 |  |  | 10.0   | 15.0  | 12.0 |
| 4  | 202039071622 |  |  | 8.0    | 12.5  | 9.8  |
| 5  | 202039071752 |  |  | 6.0    | 9.0   | 7.2  |
| 6  | 202039070648 |  |  | 10.0   | 10.0  | 10.0 |
| 7  | 202039072027 |  |  | 6.0    | 7.5   | 6.6  |
| 8  | 192039076210 |  |  | 15.0   | 12.5  | 14.0 |
| 9  | 202039070525 |  |  | 9.0    | 11.25 | 9.9  |
| 10 | 202039071332 |  |  | 8.0    | 10.5  | 9.0  |
| 11 | 202039072240 |  |  | 12.0   | 10.0  | 11.2 |
| 12 | 202039065995 |  |  | 11.0   | 8.5   | 10.0 |
| 13 | 202039070123 |  |  | 10.5   | 11.0  | 10.7 |
| 14 | 191939073090 |  |  | 8.0    | 7.0   | 7.6  |
| 15 | 202039071583 |  |  | 10.0   | 11.5  | 10.6 |
| 16 | 202039071753 |  |  | 6.0    | 13.25 | 8.9  |
| 17 | 202039070116 |  |  | 12.0   | 11.0  | 11.6 |
| 18 | 202039061922 |  |  | 13.5   | 11.75 | 12.8 |
| 19 | 202039062920 |  |  | 11.5   | 2.5   | 7.9  |
| 20 | 202039070911 |  |  | 7.0    | 8.5   | 7.6  |
| 21 | 202039072172 |  |  | 0.0    | 0.0   | 0.0  |
| 22 | 202039069775 |  |  | 7.0    | 6.5   | 6.8  |
| 23 | 202039072227 |  |  | 5.0    | 10.5  | 7.2  |
| 24 | 202039070518 |  |  | 8.0    | 7.75  | 7.9  |
| 25 | 202039076283 |  |  | 0.0    | 10.5  | 4.2  |
| 26 | 202039071596 |  |  | 4.5    | 13.5  | 8.1  |
| 27 | 202039070091 |  |  | 8.0    | 7.75  | 7.9  |
| 28 | 202039076634 |  |  | 14.0   | 16.5  | 15.0 |
| 29 | 202039071570 |  |  | 10.0   | 14.5  | 11.8 |
| 30 | 202039062876 |  |  | 6.0    | 9.0   | 7.2  |
| 31 | 202039072258 |  |  | 10.5   | 7.0   | 9.1  |
| 32 | 202039071163 |  |  | 8.0    | 7.5   | 7.8  |
| 33 | 202039069720 |  |  | 16.0   | 14.75 | 15.5 |
| 34 | 202039070228 |  |  | 10.0   | 8.75  | 9.5  |
| 35 | 202039071700 |  |  | 0.0    | 13.25 | 5.3  |
| 36 | 202039076544 |  |  | 3.0    | 7.25  | 4.7  |
| 37 | 202039071365 |  |  | 4.0    | 10.5  | 6.6  |
| 38 | 202039061935 |  |  | 8.0    | 12.0  | 9.6  |
| 39 | 202039071624 |  |  | 8.5    | 10.0  | 9.1  |

|    |              |  |  |      |      |      |
|----|--------------|--|--|------|------|------|
| 40 | 202039071618 |  |  | 8.0  | 10.0 | 8.8  |
| 41 | 202039070264 |  |  | 7.0  | 12.0 | 9.0  |
| 42 | 202039050780 |  |  | 14.5 | 10.0 | 12.7 |
| 43 | 202039068435 |  |  | 6.5  | 11.5 | 8.5  |
| 44 | 202039070255 |  |  | 7.5  | 9.25 | 8.2  |
| 45 | 202039071632 |  |  | 10.0 | 12.0 | 10.8 |
| 46 | 181839064375 |  |  | 9.0  | 7.5  | 8.4  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** pharmacotoxicologie / A / 4

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

| #  | Matricule    |  |  | Examen | CC    | MG   |
|----|--------------|--|--|--------|-------|------|
| 1  | 202039066389 |  |  | 12.0   | 13.75 | 12.7 |
| 2  | 202039063722 |  |  | 9.0    | 12.5  | 10.4 |
| 3  | 202039064567 |  |  | 12.5   | 10.0  | 11.5 |
| 4  | 202039070599 |  |  | 10.0   | 12.5  | 11.0 |
| 5  | 202039069764 |  |  | 10.0   | 10.0  | 10.0 |
| 6  | 202039064547 |  |  | 10.5   | 8.0   | 9.5  |
| 7  | 202039064198 |  |  | 12.0   | 12.25 | 12.1 |
| 8  | 202039070138 |  |  | 8.0    | 10.25 | 8.9  |
| 9  | 202039066404 |  |  | 6.5    | 9.0   | 7.5  |
| 10 | 191939069328 |  |  | 10.0   | 10.0  | 10.0 |
| 11 | 202039070529 |  |  | 6.0    | 6.5   | 6.2  |
| 12 | 202039075845 |  |  | 7.0    | 10.0  | 8.2  |
| 13 | 202039067639 |  |  | 10.0   | 8.5   | 9.4  |
| 14 | 202039070082 |  |  | 12.5   | 10.0  | 11.5 |

|    |              |  |  |      |       |      |
|----|--------------|--|--|------|-------|------|
| 15 | 192039075920 |  |  | 8.0  | 8.5   | 8.2  |
| 16 | 171739068183 |  |  | 10.5 | 13.75 | 11.8 |
| 17 | 202039062658 |  |  | 10.0 | 8.0   | 9.2  |
| 18 | 202039066401 |  |  | 12.5 | 10.75 | 11.8 |
| 19 | 202039064148 |  |  | 6.5  | 9.0   | 7.5  |
| 20 | 202039070857 |  |  | 7.5  | 8.5   | 7.9  |
| 21 | 202039066008 |  |  | 14.0 | 10.0  | 12.4 |
| 22 | 202039067758 |  |  | 7.0  | 6.5   | 6.8  |
| 23 | 202039071594 |  |  | 16.0 | 13.0  | 14.8 |
| 24 | 202039066393 |  |  | 3.5  | 7.25  | 5.0  |
| 25 | 202039064173 |  |  | 3.0  | 9.0   | 5.4  |
| 26 | 202039064235 |  |  | 8.5  | 8.75  | 8.6  |
| 27 | 202039062855 |  |  | 11.5 | 9.0   | 10.5 |
| 28 | 202039070982 |  |  | 9.0  | 10.0  | 9.4  |
| 29 | 202039063806 |  |  | 11.0 | 12.0  | 11.4 |
| 30 | 202039064550 |  |  | 12.5 | 10.0  | 11.5 |
| 31 | 202039070051 |  |  | 4.0  | 8.75  | 5.9  |
| 32 | 202039069743 |  |  | 10.5 | 11.0  | 10.7 |
| 33 | 202039070136 |  |  | 9.0  | 8.0   | 8.6  |
| 34 | 202039071665 |  |  | 8.0  | 9.25  | 8.5  |
| 35 | 202039069700 |  |  | 5.0  | 8.0   | 6.2  |
| 36 | 202039063755 |  |  | 10.0 | 10.0  | 10.0 |
| 37 | 202039067774 |  |  | 7.5  | 6.0   | 6.9  |
| 38 | 202039071544 |  |  | 6.0  | 9.0   | 7.2  |
| 39 | 202039071564 |  |  | 9.0  | 10.5  | 9.6  |
| 40 | 202039066078 |  |  | 7.0  | 8.75  | 7.7  |
| 41 | 202039067311 |  |  | 10.5 | 8.5   | 9.7  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** pharmacotoxicologie / A / 5**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG   |
|----|--------------|--|--|--------|-------|------|
| 1  | 202039067276 |  |  | 11.0   | 10.5  | 10.8 |
| 2  | 191939078888 |  |  | 10.6   | 10.6  | 10.6 |
| 3  | 202039066000 |  |  | 8.0    | 12.5  | 9.8  |
| 4  | 202039064602 |  |  | 7.5    | 10.25 | 8.6  |
| 5  | 191939066858 |  |  | 8.8    | 10.0  | 9.28 |
| 6  | 191939068783 |  |  | 5.0    | 10.0  | 7.0  |
| 7  | 202039068817 |  |  | 2.5    | 13.5  | 6.9  |
| 8  | 181839073050 |  |  | 4.0    | 11.5  | 7.0  |
| 9  | 171737006915 |  |  | 10.1   | 10.1  | 10.1 |
| 10 | 191939064268 |  |  | 0.0    | 0.0   | 0.0  |
| 11 | 202039065206 |  |  | 10.0   | 10.5  | 10.2 |
| 12 | 202039071191 |  |  | 10.0   | 13.25 | 11.3 |
| 13 | 191939073137 |  |  | 10.0   | 9.0   | 9.6  |
| 14 | 191939070816 |  |  | 17.0   | 15.75 | 16.5 |
| 15 | 202039065359 |  |  | 4.0    | 10.0  | 6.4  |
| 16 | 202039065374 |  |  | 8.0    | 12.5  | 9.8  |
| 17 | 202039062100 |  |  | 12.0   | 10.0  | 11.2 |
| 18 | 202039070251 |  |  | 10.0   | 10.5  | 10.2 |
| 19 | 191939071698 |  |  | 4.0    | 12.0  | 7.2  |
| 20 | 191939066847 |  |  | 3.5    | 10.0  | 6.1  |
| 21 | 191939063651 |  |  | 12.4   | 12.4  | 12.4 |
| 22 | 191939073660 |  |  | 4.0    | 11.0  | 6.8  |
| 23 | 191939069761 |  |  | 10.2   | 10.2  | 10.2 |
| 24 | 191939065419 |  |  | 8.0    | 11.0  | 9.2  |
| 25 | 202039076678 |  |  | 9.0    | 11.25 | 9.9  |
| 26 | 171739072751 |  |  | 10.5   | 13.0  | 11.5 |
| 27 | 202039071609 |  |  | 14.0   | 13.0  | 13.6 |
| 28 | 191939063517 |  |  | 0.0    | 0.0   | 0.0  |
| 29 | 191939065169 |  |  | 0.0    | 5.0   | 2.0  |
| 30 | 191939063685 |  |  | 4.5    | 12.0  | 7.5  |
| 31 | 202039049154 |  |  | 7.0    | 7.75  | 7.3  |
| 32 | 202039065410 |  |  | 18.5   | 16.25 | 17.6 |
| 33 | 191939073103 |  |  | 10.0   | 6.5   | 8.6  |
| 34 | 191939071305 |  |  | 10.8   | 10.8  | 10.8 |
| 35 | 202039064250 |  |  | 10.0   | 14.25 | 11.7 |
| 36 | 202039069668 |  |  | 11.5   | 10.0  | 10.9 |
| 37 | 191939066957 |  |  | 0.0    | 0.0   | 0.0  |
| 38 | 191939073139 |  |  | 11.0   | 11.0  | 11.0 |
| 39 | 191939066831 |  |  | 5.0    | 13.0  | 8.2  |

|    |              |  |  |     |       |      |
|----|--------------|--|--|-----|-------|------|
| 40 | 181839062696 |  |  | 0.0 | 0.0   | 0.0  |
| 41 | 202039064667 |  |  | 8.0 | 12.25 | 9.7  |
| 42 | 191939066922 |  |  | 9.0 | 13.0  | 10.6 |
| 43 | 202039067260 |  |  | 5.0 | 7.25  | 5.9  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** physiopathologie des grandes fonctions / A / 1

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

| #  | Matricule    |  |  | Examen | CC    | MG   |
|----|--------------|--|--|--------|-------|------|
| 1  | 202039062096 |  |  | 7.5    | 6.75  | 7.2  |
| 2  | 202039063487 |  |  | 9.5    | 15.5  | 11.9 |
| 3  | 202039062805 |  |  | 5.0    | 11.5  | 7.6  |
| 4  | 202039065480 |  |  | 3.0    | 11.0  | 6.2  |
| 5  | 202039062865 |  |  | 9.5    | 11.5  | 10.3 |
| 6  | 202039062105 |  |  | 15.5   | 18.0  | 16.5 |
| 7  | 202039061761 |  |  | 4.0    | 8.5   | 5.8  |
| 8  | 191939054721 |  |  | 11.0   | 8.0   | 9.8  |
| 9  | 202039061891 |  |  | 5.0    | 12.5  | 8.0  |
| 10 | 202039076869 |  |  | 4.0    | 0.0   | 2.4  |
| 11 | 202039062878 |  |  | 8.5    | 12.5  | 10.1 |
| 12 | 202039053763 |  |  | 4.5    | 8.0   | 5.9  |
| 13 | 202039071342 |  |  | 5.5    | 12.25 | 8.2  |
| 14 | 202039064137 |  |  | 5.0    | 7.0   | 5.8  |

|    |              |  |  |      |       |      |
|----|--------------|--|--|------|-------|------|
| 15 | 202039065412 |  |  | 8.5  | 11.5  | 9.7  |
| 16 | 202039062692 |  |  | 7.0  | 12.75 | 9.3  |
| 17 | 202039061855 |  |  | 7.0  | 15.75 | 10.5 |
| 18 | 202039067669 |  |  | 5.5  | 7.0   | 6.1  |
| 19 | 202039062712 |  |  | 6.0  | 11.5  | 8.2  |
| 20 | 202039066002 |  |  | 3.0  | 13.5  | 7.2  |
| 21 | 202039065281 |  |  | 11.0 | 13.0  | 11.8 |
| 22 | 202039064214 |  |  | 6.0  | 8.0   | 6.8  |
| 23 | 202039063347 |  |  | 2.5  | 8.0   | 4.7  |
| 24 | 191939063731 |  |  | 7.5  | 13.37 | 9.85 |
| 25 | 202039063575 |  |  | 5.0  | 8.25  | 6.3  |
| 26 | 202039061830 |  |  | 4.0  | 11.5  | 7.0  |
| 27 | 191939070031 |  |  | 5.5  | 9.87  | 7.25 |
| 28 | 202039062572 |  |  | 6.5  | 12.12 | 8.75 |
| 29 | 202039062040 |  |  | 3.0  | 11.25 | 6.3  |
| 30 | 202039061848 |  |  | 11.5 | 14.0  | 12.5 |
| 31 | 202039064575 |  |  | 9.0  | 11.75 | 10.1 |
| 32 | 202039065504 |  |  | 7.0  | 12.25 | 9.1  |
| 33 | 202039053794 |  |  | 4.5  | 10.0  | 6.7  |
| 34 | 202039062645 |  |  | 4.0  | 11.5  | 7.0  |
| 35 | 202039065126 |  |  | 6.5  | 13.25 | 9.2  |
| 36 | 202039061709 |  |  | 19.5 | 17.25 | 18.6 |
| 37 | 202039062916 |  |  | 10.0 | 13.25 | 11.3 |
| 38 | 202039062700 |  |  | 8.0  | 13.25 | 10.1 |
| 39 | 202039069751 |  |  | 4.0  | 9.25  | 6.1  |
| 40 | 202039062625 |  |  | 10.0 | 14.0  | 11.6 |
| 41 | 202039065189 |  |  | 9.0  | 12.5  | 10.4 |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** physiopathologie des grandes fonctions / A / 2**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067193 |  |  | 5.5    | 11.5  | 7.9   |
| 2  | 202039068468 |  |  | 5.0    | 10.0  | 7.0   |
| 3  | 202039068453 |  |  | 6.5    | 13.75 | 9.4   |
| 4  | 202039067123 |  |  | 4.0    | 10.0  | 6.4   |
| 5  | 202039068469 |  |  | 3.5    | 9.5   | 5.9   |
| 6  | 202039069730 |  |  | 3.0    | 10.75 | 6.1   |
| 7  | 202039069745 |  |  | 4.0    | 9.0   | 6.0   |
| 8  | 202039068524 |  |  | 6.0    | 11.0  | 8.0   |
| 9  | 202039071907 |  |  | 11.5   | 8.87  | 10.45 |
| 10 | 202039066409 |  |  | 5.5    | 12.5  | 8.3   |
| 11 | 202039068119 |  |  | 4.0    | 10.0  | 6.4   |
| 12 | 202039066415 |  |  | 13.5   | 9.75  | 12.0  |
| 13 | 202039068451 |  |  | 5.0    | 12.0  | 7.8   |
| 14 | 202039069752 |  |  | 10.0   | 15.25 | 12.1  |
| 15 | 202039069753 |  |  | 16.5   | 14.5  | 15.7  |
| 16 | 202039069242 |  |  | 7.5    | 13.25 | 9.8   |
| 17 | 202039066413 |  |  | 12.0   | 14.25 | 12.9  |
| 18 | 202039066496 |  |  | 6.0    | 13.5  | 9.0   |
| 19 | 202039067109 |  |  | 7.5    | 15.37 | 10.65 |
| 20 | 202039069394 |  |  | 9.5    | 16.5  | 12.3  |
| 21 | 202039067277 |  |  | 6.5    | 9.25  | 7.6   |
| 22 | 202039066798 |  |  | 4.0    | 11.5  | 7.0   |
| 23 | 202039066423 |  |  | 7.0    | 12.25 | 9.1   |
| 24 | 202039067152 |  |  | 5.0    | 8.0   | 6.2   |
| 25 | 202039066761 |  |  | 4.0    | 10.5  | 6.6   |
| 26 | 202039064242 |  |  | 4.0    | 13.0  | 7.6   |
| 27 | 202039067627 |  |  | 3.5    | 11.5  | 6.7   |
| 28 | 202039067696 |  |  | 5.0    | 11.75 | 7.7   |
| 29 | 202039067316 |  |  | 4.5    | 7.75  | 5.8   |
| 30 | 202039068489 |  |  | 9.0    | 12.5  | 10.4  |
| 31 | 202039067651 |  |  | 4.0    | 12.75 | 7.5   |
| 32 | 202039071338 |  |  | 8.5    | 18.75 | 12.6  |
| 33 | 202039065151 |  |  | 3.0    | 13.75 | 7.3   |
| 34 | 202039062024 |  |  | 4.0    | 13.5  | 7.8   |
| 35 | 202039069812 |  |  | 3.5    | 9.25  | 5.8   |
| 36 | 202039068493 |  |  | 6.0    | 11.5  | 8.2   |
| 37 | 202039068526 |  |  | 6.5    | 10.5  | 8.1   |
| 38 | 202039069406 |  |  | 3.0    | 7.5   | 4.8   |
| 39 | 202039066847 |  |  | 3.0    | 13.75 | 7.3   |



|    |              |  |  |     |       |      |
|----|--------------|--|--|-----|-------|------|
| 40 | 202039069247 |  |  | 8.5 | 16.5  | 11.7 |
| 41 | 202039066447 |  |  | 9.0 | 12.75 | 10.5 |
| 42 | 202039069760 |  |  | 8.5 | 12.0  | 9.9  |
| 43 | 202039069251 |  |  | 6.5 | 13.75 | 9.4  |
| 44 | 202039069271 |  |  | 4.5 | 10.25 | 6.8  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** physiopathologie des grandes fonctions / A / 3

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

| #  | Matricule    |  |  | Examen | CC    | MG   |
|----|--------------|--|--|--------|-------|------|
| 1  | 191939068368 |  |  | 7.5    | 15.0  | 10.5 |
| 2  | 202039070191 |  |  | 6.5    | 14.5  | 9.7  |
| 3  | 202039061820 |  |  | 8.5    | 14.75 | 11.0 |
| 4  | 202039071622 |  |  | 8.0    | 10.0  | 8.8  |
| 5  | 202039071752 |  |  | 4.0    | 11.0  | 6.8  |
| 6  | 202039070648 |  |  | 6.0    | 13.5  | 9.0  |
| 7  | 202039072027 |  |  | 5.0    | 9.0   | 6.6  |
| 8  | 192039076210 |  |  | 8.5    | 14.5  | 10.9 |
| 9  | 202039070525 |  |  | 7.0    | 11.5  | 8.8  |
| 10 | 202039071332 |  |  | 5.0    | 12.25 | 7.9  |
| 11 | 202039072240 |  |  | 6.0    | 12.5  | 8.6  |
| 12 | 202039065995 |  |  | 4.5    | 8.5   | 6.1  |
| 13 | 202039070123 |  |  | 7.0    | 15.25 | 10.3 |
| 14 | 191939073090 |  |  | 5.5    | 10.5  | 7.5  |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 15 | 202039071583 |  |  | 5.5  | 11.0  | 7.7   |
| 16 | 202039071753 |  |  | 5.5  | 15.25 | 9.4   |
| 17 | 202039070116 |  |  | 4.5  | 15.5  | 8.9   |
| 18 | 202039061922 |  |  | 5.0  | 10.5  | 7.2   |
| 19 | 202039062920 |  |  | 5.5  | 11.25 | 7.8   |
| 20 | 202039070911 |  |  | 4.5  | 9.25  | 6.4   |
| 21 | 202039072172 |  |  | 0.0  | 0.0   | 0.0   |
| 22 | 202039069775 |  |  | 3.0  | 8.5   | 5.2   |
| 23 | 202039072227 |  |  | 5.5  | 14.0  | 8.9   |
| 24 | 202039070518 |  |  | 4.5  | 8.37  | 6.05  |
| 25 | 202039076283 |  |  | 10.5 | 16.0  | 12.7  |
| 26 | 202039071596 |  |  | 4.0  | 13.0  | 7.6   |
| 27 | 202039070091 |  |  | 6.0  | 11.87 | 8.35  |
| 28 | 202039076634 |  |  | 12.0 | 15.5  | 13.4  |
| 29 | 202039071570 |  |  | 13.5 | 15.12 | 14.15 |
| 30 | 202039062876 |  |  | 3.0  | 9.5   | 5.6   |
| 31 | 202039072258 |  |  | 5.5  | 11.5  | 7.9   |
| 32 | 202039071163 |  |  | 4.0  | 9.5   | 6.2   |
| 33 | 202039069720 |  |  | 7.5  | 15.0  | 10.5  |
| 34 | 202039070228 |  |  | 5.5  | 15.5  | 9.5   |
| 35 | 202039071700 |  |  | 3.5  | 12.5  | 7.1   |
| 36 | 202039076544 |  |  | 3.0  | 10.0  | 5.8   |
| 37 | 202039071365 |  |  | 3.0  | 10.0  | 5.8   |
| 38 | 202039061935 |  |  | 4.5  | 14.12 | 8.35  |
| 39 | 202039071624 |  |  | 5.5  | 12.5  | 8.3   |
| 40 | 202039071618 |  |  | 5.0  | 13.0  | 8.2   |
| 41 | 202039070264 |  |  | 5.5  | 11.5  | 7.9   |
| 42 | 202039050780 |  |  | 4.0  | 11.0  | 6.8   |
| 43 | 202039068435 |  |  | 5.5  | 12.0  | 8.1   |
| 44 | 202039070255 |  |  | 3.5  | 12.5  | 7.1   |
| 45 | 202039071632 |  |  | 4.0  | 12.5  | 7.4   |
| 46 | 181839064375 |  |  | 3.0  | 9.5   | 5.6   |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** physiopathologie des grandes fonctions / A / 4**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG   |
|----|--------------|--|--|--------|-------|------|
| 1  | 202039066389 |  |  | 14.0   | 16.5  | 15.0 |
| 2  | 202039063722 |  |  | 4.0    | 12.5  | 7.4  |
| 3  | 202039064567 |  |  | 11.0   | 14.5  | 12.4 |
| 4  | 202039070599 |  |  | 7.5    | 13.5  | 9.9  |
| 5  | 202039069764 |  |  | 5.5    | 10.25 | 7.4  |
| 6  | 202039064547 |  |  | 8.0    | 13.0  | 10.0 |
| 7  | 202039064198 |  |  | 7.5    | 16.25 | 11.0 |
| 8  | 202039070138 |  |  | 5.5    | 14.0  | 8.9  |
| 9  | 202039066404 |  |  | 10.0   | 14.25 | 11.7 |
| 10 | 191939069328 |  |  | 8.0    | 15.25 | 10.9 |
| 11 | 202039070529 |  |  | 8.0    | 11.25 | 9.3  |
| 12 | 202039075845 |  |  | 4.0    | 11.5  | 7.0  |
| 13 | 202039067639 |  |  | 6.0    | 12.5  | 8.6  |
| 14 | 202039070082 |  |  | 6.0    | 11.75 | 8.3  |
| 15 | 192039075920 |  |  | 10.0   | 13.0  | 11.2 |
| 16 | 171739068183 |  |  | 12.0   | 12.75 | 12.3 |
| 17 | 202039062658 |  |  | 8.5    | 12.0  | 9.9  |
| 18 | 202039066401 |  |  | 9.5    | 14.75 | 11.6 |
| 19 | 202039064148 |  |  | 5.0    | 13.0  | 8.2  |
| 20 | 202039070857 |  |  | 4.0    | 12.0  | 7.2  |
| 21 | 202039066008 |  |  | 7.5    | 15.5  | 10.7 |
| 22 | 202039067758 |  |  | 5.5    | 9.0   | 6.9  |
| 23 | 202039071594 |  |  | 16.0   | 19.25 | 17.3 |
| 24 | 202039066393 |  |  | 4.0    | 8.75  | 5.9  |
| 25 | 202039064173 |  |  | 7.0    | 14.75 | 10.1 |
| 26 | 202039064235 |  |  | 7.5    | 13.0  | 9.7  |
| 27 | 202039062855 |  |  | 4.0    | 11.75 | 7.1  |
| 28 | 202039070982 |  |  | 7.0    | 12.75 | 9.3  |
| 29 | 202039063806 |  |  | 4.5    | 13.87 | 8.25 |
| 30 | 202039064550 |  |  | 5.0    | 10.0  | 7.0  |
| 31 | 202039070051 |  |  | 5.0    | 11.0  | 7.4  |
| 32 | 202039069743 |  |  | 5.0    | 9.25  | 6.7  |
| 33 | 202039070136 |  |  | 4.5    | 10.25 | 6.8  |
| 34 | 202039071665 |  |  | 5.0    | 12.5  | 8.0  |
| 35 | 202039069700 |  |  | 3.5    | 10.5  | 6.3  |
| 36 | 202039063755 |  |  | 5.5    | 12.0  | 8.1  |
| 37 | 202039067774 |  |  | 8.5    | 11.0  | 9.5  |
| 38 | 202039071544 |  |  | 7.0    | 13.5  | 9.6  |
| 39 | 202039071564 |  |  | 4.5    | 12.25 | 7.6  |

|    |              |  |  |      |       |      |
|----|--------------|--|--|------|-------|------|
| 40 | 202039066078 |  |  | 5.0  | 8.5   | 6.4  |
| 41 | 202039067311 |  |  | 11.0 | 16.75 | 13.3 |

Signature de l'enseignant:

Le:

2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** physiopathologie des grandes fonctions / A / 5

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067276 |  |  | 8.0    | 13.5  | 10.2  |
| 2  | 191939078888 |  |  | 3.5    | 10.25 | 6.2   |
| 3  | 202039066000 |  |  | 5.5    | 11.0  | 7.7   |
| 4  | 202039064602 |  |  | 11.0   | 14.75 | 12.5  |
| 5  | 191939066858 |  |  | 10.5   | 10.5  | 10.5  |
| 6  | 191939068783 |  |  | 7.0    | 0.0   | 4.2   |
| 7  | 202039068817 |  |  | 6.5    | 0.0   | 3.9   |
| 8  | 181839073050 |  |  | 10.6   | 10.6  | 10.6  |
| 9  | 171737006915 |  |  | 12.35  | 12.35 | 12.35 |
| 10 | 191939064268 |  |  | 0.0    | 0.0   | 0.0   |
| 11 | 202039065206 |  |  | 9.0    | 11.5  | 10.0  |
| 12 | 202039071191 |  |  | 13.0   | 18.25 | 15.1  |
| 13 | 191939073137 |  |  | 4.5    | 10.5  | 6.9   |
| 14 | 191939070816 |  |  | 15.0   | 18.0  | 16.2  |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 15 | 202039065359 |  |  | 8.5  | 11.75 | 9.8   |
| 16 | 202039065374 |  |  | 5.0  | 12.75 | 8.1   |
| 17 | 202039062100 |  |  | 11.0 | 13.12 | 11.85 |
| 18 | 202039070251 |  |  | 6.5  | 9.5   | 7.7   |
| 19 | 191939071698 |  |  | 4.5  | 10.12 | 6.75  |
| 20 | 191939066847 |  |  | 3.5  | 10.0  | 6.1   |
| 21 | 191939063651 |  |  | 17.0 | 17.0  | 17.0  |
| 22 | 191939073660 |  |  | 4.0  | 12.0  | 7.2   |
| 23 | 191939069761 |  |  | 10.0 | 10.0  | 10.0  |
| 24 | 191939065419 |  |  | 3.5  | 9.5   | 5.9   |
| 25 | 202039076678 |  |  | 9.0  | 11.5  | 10.0  |
| 26 | 171739072751 |  |  | 15.0 | 15.0  | 15.0  |
| 27 | 202039071609 |  |  | 12.0 | 16.5  | 13.8  |
| 28 | 191939063517 |  |  | 0.0  | 0.0   | 0.0   |
| 29 | 191939065169 |  |  | 13.6 | 13.6  | 13.6  |
| 30 | 191939063685 |  |  | 12.5 | 12.5  | 12.5  |
| 31 | 202039049154 |  |  | 8.0  | 11.5  | 9.4   |
| 32 | 202039065410 |  |  | 12.0 | 16.5  | 13.8  |
| 33 | 191939073103 |  |  | 5.0  | 9.0   | 6.6   |
| 34 | 191939071305 |  |  | 5.0  | 10.0  | 7.0   |
| 35 | 202039064250 |  |  | 8.5  | 16.0  | 11.5  |
| 36 | 202039069668 |  |  | 10.0 | 14.87 | 11.95 |
| 37 | 191939066957 |  |  | 0.0  | 0.0   | 0.0   |
| 38 | 191939073139 |  |  | 5.5  | 0.0   | 3.3   |
| 39 | 191939066831 |  |  | 3.0  | 10.0  | 5.8   |
| 40 | 181839062696 |  |  | 0.0  | 0.0   | 0.0   |
| 41 | 202039064667 |  |  | 5.5  | 12.0  | 8.1   |
| 42 | 191939066922 |  |  | 10.5 | 10.5  | 10.5  |
| 43 | 202039067260 |  |  | 7.5  | 9.75  | 8.4   |

Signature de l'enseignant:

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** technique d'analyse biologique / A / 1**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039062096 |  |  | 3.5    | 8.66  | 5.56  |
| 2  | 202039063487 |  |  | 14.0   | 12.38 | 13.35 |
| 3  | 202039062805 |  |  | 5.0    | 8.84  | 6.54  |
| 4  | 202039065480 |  |  | 2.25   | 9.66  | 5.21  |
| 5  | 202039062865 |  |  | 4.75   | 8.84  | 6.39  |
| 6  | 202039062105 |  |  | 11.0   | 12.59 | 11.64 |
| 7  | 202039061761 |  |  | 3.0    | 8.16  | 5.06  |
| 8  | 191939054721 |  |  | 8.5    | 0.0   | 5.1   |
| 9  | 202039061891 |  |  | 10.25  | 11.63 | 10.8  |
| 10 | 202039076869 |  |  | 5.5    | 0.0   | 3.3   |
| 11 | 202039062878 |  |  | 5.0    | 13.28 | 8.31  |
| 12 | 202039053763 |  |  | 3.0    | 8.91  | 5.36  |
| 13 | 202039071342 |  |  | 3.0    | 10.0  | 5.8   |
| 14 | 202039064137 |  |  | 3.5    | 7.97  | 5.29  |
| 15 | 202039065412 |  |  | 6.0    | 11.97 | 8.39  |
| 16 | 202039062692 |  |  | 8.0    | 12.09 | 9.64  |
| 17 | 202039061855 |  |  | 11.0   | 12.41 | 11.56 |
| 18 | 202039067669 |  |  | 5.5    | 12.09 | 8.14  |
| 19 | 202039062712 |  |  | 9.0    | 8.22  | 8.69  |
| 20 | 202039066002 |  |  | 3.25   | 9.06  | 5.57  |
| 21 | 202039065281 |  |  | 5.5    | 12.53 | 8.31  |
| 22 | 202039064214 |  |  | 3.0    | 8.06  | 5.02  |
| 23 | 202039063347 |  |  | 2.25   | 8.06  | 4.57  |
| 24 | 191939063731 |  |  | 8.5    | 12.84 | 10.24 |
| 25 | 202039063575 |  |  | 5.5    | 9.16  | 6.96  |
| 26 | 202039061830 |  |  | 4.5    | 9.28  | 6.41  |
| 27 | 191939070031 |  |  | 2.25   | 0.0   | 1.35  |
| 28 | 202039062572 |  |  | 3.5    | 10.84 | 6.44  |
| 29 | 202039062040 |  |  | 5.25   | 0.0   | 3.15  |
| 30 | 202039061848 |  |  | 6.0    | 11.91 | 8.36  |
| 31 | 202039064575 |  |  | 9.5    | 11.0  | 10.1  |
| 32 | 202039065504 |  |  | 8.25   | 12.72 | 10.04 |
| 33 | 202039053794 |  |  | 5.0    | 8.66  | 6.46  |
| 34 | 202039062645 |  |  | 4.0    | 8.84  | 5.94  |
| 35 | 202039065126 |  |  | 6.5    | 12.97 | 9.09  |
| 36 | 202039061709 |  |  | 12.25  | 16.47 | 13.94 |
| 37 | 202039062916 |  |  | 9.5    | 13.41 | 11.06 |
| 38 | 202039062700 |  |  | 10.5   | 14.59 | 12.14 |
| 39 | 202039069751 |  |  | 6.5    | 10.34 | 8.04  |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 40 | 202039062625 |  |  | 9.25 | 14.03 | 11.16 |
| 41 | 202039065189 |  |  | 4.75 | 11.59 | 7.49  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** technique d'analyse biologique / A / 2

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067193 |  |  | 12.0   | 14.0  | 12.8  |
| 2  | 202039068468 |  |  | 3.5    | 8.0   | 5.3   |
| 3  | 202039068453 |  |  | 6.75   | 10.69 | 8.33  |
| 4  | 202039067123 |  |  | 4.5    | 10.72 | 6.99  |
| 5  | 202039068469 |  |  | 4.5    | 7.91  | 5.86  |
| 6  | 202039069730 |  |  | 9.5    | 10.06 | 9.72  |
| 7  | 202039069745 |  |  | 6.75   | 11.56 | 8.67  |
| 8  | 202039068524 |  |  | 2.5    | 11.63 | 6.15  |
| 9  | 202039071907 |  |  | 8.5    | 5.94  | 7.48  |
| 10 | 202039066409 |  |  | 2.5    | 9.59  | 5.34  |
| 11 | 202039068119 |  |  | 3.0    | 11.03 | 6.21  |
| 12 | 202039066415 |  |  | 8.25   | 12.28 | 9.86  |
| 13 | 202039068451 |  |  | 5.0    | 14.56 | 8.82  |
| 14 | 202039069752 |  |  | 9.0    | 13.84 | 10.94 |

|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 15 | 202039069753 |  |  | 11.0  | 17.25 | 13.5  |
| 16 | 202039069242 |  |  | 4.0   | 12.13 | 7.25  |
| 17 | 202039066413 |  |  | 10.25 | 15.34 | 12.29 |
| 18 | 202039066496 |  |  | 7.25  | 12.47 | 9.34  |
| 19 | 202039067109 |  |  | 11.25 | 16.41 | 13.31 |
| 20 | 202039069394 |  |  | 6.5   | 9.13  | 7.55  |
| 21 | 202039067277 |  |  | 9.5   | 13.06 | 10.92 |
| 22 | 202039066798 |  |  | 3.5   | 12.47 | 7.09  |
| 23 | 202039066423 |  |  | 5.75  | 13.59 | 8.89  |
| 24 | 202039067152 |  |  | 12.5  | 12.31 | 12.42 |
| 25 | 202039066761 |  |  | 5.25  | 0.0   | 3.15  |
| 26 | 202039064242 |  |  | 8.5   | 9.19  | 8.78  |
| 27 | 202039067627 |  |  | 8.5   | 13.96 | 10.68 |
| 28 | 202039067696 |  |  | 7.5   | 12.46 | 9.48  |
| 29 | 202039067316 |  |  | 8.0   | 13.75 | 10.3  |
| 30 | 202039068489 |  |  | 9.0   | 7.81  | 8.52  |
| 31 | 202039067651 |  |  | 2.25  | 13.25 | 6.65  |
| 32 | 202039071338 |  |  | 8.5   | 12.41 | 10.06 |
| 33 | 202039065151 |  |  | 2.25  | 10.69 | 5.63  |
| 34 | 202039062024 |  |  | 4.0   | 10.56 | 6.62  |
| 35 | 202039069812 |  |  | 5.5   | 12.66 | 8.36  |
| 36 | 202039068493 |  |  | 4.5   | 11.09 | 7.14  |
| 37 | 202039068526 |  |  | 3.75  | 10.69 | 6.53  |
| 38 | 202039069406 |  |  | 3.5   | 7.38  | 5.05  |
| 39 | 202039066847 |  |  | 6.0   | 13.47 | 8.99  |
| 40 | 202039069247 |  |  | 9.5   | 13.88 | 11.25 |
| 41 | 202039066447 |  |  | 14.25 | 14.28 | 14.26 |
| 42 | 202039069760 |  |  | 5.5   | 12.22 | 8.19  |
| 43 | 202039069251 |  |  | 8.5   | 11.47 | 9.69  |
| 44 | 202039069271 |  |  | 4.5   | 8.31  | 6.02  |

Signature de l'enseignant:

Le:



2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** technique d'analyse biologique / A / 3**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 191939068368 |  |  | 5.25   | 13.72 | 8.64  |
| 2  | 202039070191 |  |  | 5.5    | 12.84 | 8.44  |
| 3  | 202039061820 |  |  | 8.5    | 12.63 | 10.15 |
| 4  | 202039071622 |  |  | 8.5    | 9.72  | 8.99  |
| 5  | 202039071752 |  |  | 7.0    | 12.47 | 9.19  |
| 6  | 202039070648 |  |  | 7.25   | 13.53 | 9.76  |
| 7  | 202039072027 |  |  | 2.25   | 9.69  | 5.23  |
| 8  | 192039076210 |  |  | 12.75  | 16.94 | 14.43 |
| 9  | 202039070525 |  |  | 7.0    | 12.53 | 9.21  |
| 10 | 202039071332 |  |  | 11.0   | 11.66 | 11.26 |
| 11 | 202039072240 |  |  | 7.25   | 12.64 | 9.41  |
| 12 | 202039065995 |  |  | 10.0   | 11.22 | 10.49 |
| 13 | 202039070123 |  |  | 7.0    | 13.84 | 9.74  |
| 14 | 191939073090 |  |  | 2.25   | 8.09  | 4.59  |
| 15 | 202039071583 |  |  | 8.0    | 11.03 | 9.21  |
| 16 | 202039071753 |  |  | 10.25  | 13.97 | 11.74 |
| 17 | 202039070116 |  |  | 12.5   | 16.72 | 14.19 |
| 18 | 202039061922 |  |  | 10.25  | 11.63 | 10.8  |
| 19 | 202039062920 |  |  | 9.5    | 16.91 | 12.46 |
| 20 | 202039070911 |  |  | 3.0    | 11.69 | 6.48  |
| 21 | 202039072172 |  |  | 0.0    | 0.0   | 0.0   |
| 22 | 202039069775 |  |  | 6.75   | 12.22 | 8.94  |
| 23 | 202039072227 |  |  | 4.0    | 12.89 | 7.56  |
| 24 | 202039070518 |  |  | 7.25   | 10.09 | 8.39  |
| 25 | 202039076283 |  |  | 0.0    | 14.44 | 5.78  |
| 26 | 202039071596 |  |  | 5.5    | 9.34  | 7.04  |
| 27 | 202039070091 |  |  | 8.25   | 11.66 | 9.61  |
| 28 | 202039076634 |  |  | 11.0   | 7.25  | 9.5   |
| 29 | 202039071570 |  |  | 9.25   | 12.63 | 10.6  |
| 30 | 202039062876 |  |  | 10.0   | 15.16 | 12.06 |
| 31 | 202039072258 |  |  | 9.5    | 14.34 | 11.44 |
| 32 | 202039071163 |  |  | 6.25   | 11.97 | 8.54  |
| 33 | 202039069720 |  |  | 10.75  | 15.13 | 12.5  |
| 34 | 202039070228 |  |  | 7.0    | 15.22 | 10.29 |
| 35 | 202039071700 |  |  | 8.5    | 12.81 | 10.22 |
| 36 | 202039076544 |  |  | 3.5    | 11.06 | 6.52  |
| 37 | 202039071365 |  |  | 4.0    | 10.47 | 6.59  |
| 38 | 202039061935 |  |  | 4.0    | 9.06  | 6.02  |
| 39 | 202039071624 |  |  | 2.5    | 11.84 | 6.24  |

|    |              |  |  |      |       |      |
|----|--------------|--|--|------|-------|------|
| 40 | 202039071618 |  |  | 3.0  | 9.03  | 5.41 |
| 41 | 202039070264 |  |  | 4.75 | 13.34 | 8.19 |
| 42 | 202039050780 |  |  | 7.25 | 12.06 | 9.17 |
| 43 | 202039068435 |  |  | 8.25 | 12.59 | 9.99 |
| 44 | 202039070255 |  |  | 5.0  | 12.34 | 7.94 |
| 45 | 202039071632 |  |  | 2.25 | 11.34 | 5.89 |
| 46 | 181839064375 |  |  | 8.25 | 0.0   | 4.95 |

Signature de l'enseignant:

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2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** technique d'analyse biologique / A / 4

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039066389 |  |  | 10.5   | 14.84 | 12.24 |
| 2  | 202039063722 |  |  | 8.75   | 8.09  | 8.49  |
| 3  | 202039064567 |  |  | 9.0    | 12.53 | 10.41 |
| 4  | 202039070599 |  |  | 10.75  | 10.72 | 10.74 |
| 5  | 202039069764 |  |  | 7.5    | 8.53  | 7.91  |
| 6  | 202039064547 |  |  | 9.25   | 10.53 | 9.76  |
| 7  | 202039064198 |  |  | 13.25  | 14.69 | 13.83 |
| 8  | 202039070138 |  |  | 2.0    | 13.69 | 6.68  |
| 9  | 202039066404 |  |  | 10.5   | 13.47 | 11.69 |
| 10 | 191939069328 |  |  | 10.75  | 7.22  | 9.34  |
| 11 | 202039070529 |  |  | 4.75   | 8.72  | 6.34  |
| 12 | 202039075845 |  |  | 6.25   | 8.09  | 6.99  |
| 13 | 202039067639 |  |  | 10.75  | 11.06 | 10.87 |
| 14 | 202039070082 |  |  | 10.25  | 8.69  | 9.63  |

|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 15 | 192039075920 |  |  | 4.25  | 9.03  | 6.16  |
| 16 | 171739068183 |  |  | 6.75  | 13.72 | 9.54  |
| 17 | 202039062658 |  |  | 4.5   | 9.09  | 6.34  |
| 18 | 202039066401 |  |  | 7.25  | 11.84 | 9.09  |
| 19 | 202039064148 |  |  | 5.0   | 10.34 | 7.14  |
| 20 | 202039070857 |  |  | 6.0   | 9.69  | 7.48  |
| 21 | 202039066008 |  |  | 5.0   | 13.13 | 8.25  |
| 22 | 202039067758 |  |  | 3.0   | 8.47  | 5.19  |
| 23 | 202039071594 |  |  | 11.75 | 17.44 | 14.03 |
| 24 | 202039066393 |  |  | 5.5   | 6.16  | 5.76  |
| 25 | 202039064173 |  |  | 4.0   | 9.31  | 6.12  |
| 26 | 202039064235 |  |  | 8.5   | 11.91 | 9.86  |
| 27 | 202039062855 |  |  | 5.0   | 8.09  | 6.24  |
| 28 | 202039070982 |  |  | 3.25  | 7.94  | 5.13  |
| 29 | 202039063806 |  |  | 3.5   | 14.84 | 8.04  |
| 30 | 202039064550 |  |  | 5.0   | 10.69 | 7.28  |
| 31 | 202039070051 |  |  | 5.25  | 9.44  | 6.93  |
| 32 | 202039069743 |  |  | 4.0   | 11.97 | 7.19  |
| 33 | 202039070136 |  |  | 4.0   | 10.69 | 6.68  |
| 34 | 202039071665 |  |  | 6.0   | 9.44  | 7.38  |
| 35 | 202039069700 |  |  | 3.25  | 9.5   | 5.75  |
| 36 | 202039063755 |  |  | 6.5   | 8.84  | 7.44  |
| 37 | 202039067774 |  |  | 5.0   | 12.47 | 7.99  |
| 38 | 202039071544 |  |  | 7.5   | 10.69 | 8.78  |
| 39 | 202039071564 |  |  | 8.0   | 8.19  | 8.08  |
| 40 | 202039066078 |  |  | 3.0   | 11.22 | 6.29  |
| 41 | 202039067311 |  |  | 8.75  | 15.34 | 11.39 |

Signature de l'enseignant:

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2022/2023

Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** technique d'analyse biologique / A / 5**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067276 |  |  | 10.25  | 11.22 | 10.64 |
| 2  | 191939078888 |  |  | 5.0    | 7.63  | 6.05  |
| 3  | 202039066000 |  |  | 6.0    | 10.0  | 7.6   |
| 4  | 202039064602 |  |  | 4.0    | 10.91 | 6.76  |
| 5  | 191939066858 |  |  | 2.25   | 6.72  | 4.04  |
| 6  | 191939068783 |  |  | 7.0    | 11.31 | 8.72  |
| 7  | 202039068817 |  |  | 5.5    | 9.84  | 7.24  |
| 8  | 181839073050 |  |  | 3.0    | 4.9   | 3.76  |
| 9  | 171737006915 |  |  | 5.0    | 0.0   | 3.0   |
| 10 | 191939064268 |  |  | 0.0    | 0.0   | 0.0   |
| 11 | 202039065206 |  |  | 4.5    | 9.0   | 6.3   |
| 12 | 202039071191 |  |  | 10.25  | 13.56 | 11.57 |
| 13 | 191939073137 |  |  | 2.25   | 0.0   | 1.35  |
| 14 | 191939070816 |  |  | 11.75  | 14.75 | 12.95 |
| 15 | 202039065359 |  |  | 9.5    | 11.63 | 10.35 |
| 16 | 202039065374 |  |  | 3.5    | 0.0   | 2.1   |
| 17 | 202039062100 |  |  | 8.75   | 9.84  | 9.19  |
| 18 | 202039070251 |  |  | 9.5    | 11.31 | 10.22 |
| 19 | 191939071698 |  |  | 6.5    | 10.63 | 8.15  |
| 20 | 191939066847 |  |  | 3.0    | 8.16  | 5.06  |
| 21 | 191939063651 |  |  | 2.5    | 1.69  | 2.18  |
| 22 | 191939073660 |  |  | 6.0    | 10.63 | 7.85  |
| 23 | 191939069761 |  |  | 7.25   | 8.81  | 7.87  |
| 24 | 191939065419 |  |  | 2.5    | 7.69  | 4.58  |
| 25 | 202039076678 |  |  | 6.25   | 6.94  | 6.53  |
| 26 | 171739072751 |  |  | 0.0    | 8.16  | 3.26  |
| 27 | 202039071609 |  |  | 12.5   | 15.38 | 13.65 |
| 28 | 191939063517 |  |  | 0.0    | 0.0   | 0.0   |
| 29 | 191939065169 |  |  | 0.0    | 9.94  | 3.98  |
| 30 | 191939063685 |  |  | 3.25   | 5.31  | 4.07  |
| 31 | 202039049154 |  |  | 4.0    | 11.38 | 6.95  |
| 32 | 202039065410 |  |  | 5.25   | 14.38 | 8.9   |
| 33 | 191939073103 |  |  | 2.5    | 3.72  | 2.99  |
| 34 | 191939071305 |  |  | 2.5    | 9.31  | 5.22  |
| 35 | 202039064250 |  |  | 9.25   | 14.75 | 11.45 |
| 36 | 202039069668 |  |  | 8.25   | 12.72 | 10.04 |
| 37 | 191939066957 |  |  | 0.0    | 0.0   | 0.0   |
| 38 | 191939073139 |  |  | 6.0    | 9.31  | 7.32  |
| 39 | 191939066831 |  |  | 5.5    | 7.75  | 6.4   |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 40 | 181839062696 |  |  | 0.0  | 0.0   | 0.0   |
| 41 | 202039064667 |  |  | 10.0 | 15.16 | 12.06 |
| 42 | 191939066922 |  |  | 5.25 | 7.25  | 6.05  |
| 43 | 202039067260 |  |  | 5.5  | 9.84  | 7.24  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** toxicologie fondamentale / A / 1

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039062096 |  |  | 3.0    | 11.5  | 6.4   |
| 2  | 202039063487 |  |  | 19.5   | 12.6  | 16.74 |
| 3  | 202039062805 |  |  | 10.5   | 10.5  | 10.5  |
| 4  | 202039065480 |  |  | 3.0    | 12.0  | 6.6   |
| 5  | 202039062865 |  |  | 11.0   | 9.75  | 10.5  |
| 6  | 202039062105 |  |  | 17.25  | 15.95 | 16.73 |
| 7  | 202039061761 |  |  | 5.0    | 12.55 | 8.02  |
| 8  | 191939054721 |  |  | 16.5   | 9.0   | 13.5  |
| 9  | 202039061891 |  |  | 10.0   | 10.95 | 10.38 |
| 10 | 202039076869 |  |  | 6.0    | 0.0   | 3.6   |
| 11 | 202039062878 |  |  | 13.0   | 12.25 | 12.7  |
| 12 | 202039053763 |  |  | 3.0    | 9.8   | 5.72  |
| 13 | 202039071342 |  |  | 10.0   | 8.7   | 9.48  |
| 14 | 202039064137 |  |  | 7.0    | 8.2   | 7.48  |

|    |              |  |  |       |       |       |
|----|--------------|--|--|-------|-------|-------|
| 15 | 202039065412 |  |  | 15.5  | 13.85 | 14.84 |
| 16 | 202039062692 |  |  | 12.5  | 10.95 | 11.88 |
| 17 | 202039061855 |  |  | 13.25 | 11.4  | 12.51 |
| 18 | 202039067669 |  |  | 5.0   | 10.1  | 7.04  |
| 19 | 202039062712 |  |  | 7.0   | 12.5  | 9.2   |
| 20 | 202039066002 |  |  | 18.5  | 10.15 | 15.16 |
| 21 | 202039065281 |  |  | 11.5  | 11.2  | 11.38 |
| 22 | 202039064214 |  |  | 5.0   | 5.0   | 5.0   |
| 23 | 202039063347 |  |  | 2.0   | 10.9  | 5.56  |
| 24 | 191939063731 |  |  | 8.0   | 11.4  | 9.36  |
| 25 | 202039063575 |  |  | 3.0   | 9.5   | 5.6   |
| 26 | 202039061830 |  |  | 8.0   | 10.0  | 8.8   |
| 27 | 191939070031 |  |  | 4.0   | 10.2  | 6.48  |
| 28 | 202039062572 |  |  | 10.0  | 12.5  | 11.0  |
| 29 | 202039062040 |  |  | 8.0   | 11.8  | 9.52  |
| 30 | 202039061848 |  |  | 17.5  | 8.2   | 13.78 |
| 31 | 202039064575 |  |  | 16.5  | 7.1   | 12.74 |
| 32 | 202039065504 |  |  | 8.0   | 11.3  | 9.32  |
| 33 | 202039053794 |  |  | 6.5   | 10.6  | 8.14  |
| 34 | 202039062645 |  |  | 11.0  | 11.6  | 11.24 |
| 35 | 202039065126 |  |  | 4.0   | 12.15 | 7.26  |
| 36 | 202039061709 |  |  | 20.0  | 18.0  | 19.2  |
| 37 | 202039062916 |  |  | 13.0  | 14.25 | 13.5  |
| 38 | 202039062700 |  |  | 19.0  | 12.75 | 16.5  |
| 39 | 202039069751 |  |  | 3.5   | 12.05 | 6.92  |
| 40 | 202039062625 |  |  | 19.0  | 13.7  | 16.88 |
| 41 | 202039065189 |  |  | 14.0  | 15.2  | 14.48 |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** toxicologie fondamentale / A / 2**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067193 |  |  | 8.0    | 11.45 | 9.38  |
| 2  | 202039068468 |  |  | 10.0   | 8.9   | 9.56  |
| 3  | 202039068453 |  |  | 5.0    | 9.6   | 6.84  |
| 4  | 202039067123 |  |  | 5.0    | 10.65 | 7.26  |
| 5  | 202039068469 |  |  | 2.0    | 8.6   | 4.64  |
| 6  | 202039069730 |  |  | 7.5    | 9.15  | 8.16  |
| 7  | 202039069745 |  |  | 5.0    | 8.8   | 6.52  |
| 8  | 202039068524 |  |  | 7.0    | 12.35 | 9.14  |
| 9  | 202039071907 |  |  | 11.0   | 8.7   | 10.08 |
| 10 | 202039066409 |  |  | 2.0    | 7.45  | 4.18  |
| 11 | 202039068119 |  |  | 1.0    | 9.5   | 4.4   |
| 12 | 202039066415 |  |  | 18.0   | 12.65 | 15.86 |
| 13 | 202039068451 |  |  | 5.0    | 9.4   | 6.76  |
| 14 | 202039069752 |  |  | 18.0   | 9.9   | 14.76 |
| 15 | 202039069753 |  |  | 20.0   | 13.8  | 17.52 |
| 16 | 202039069242 |  |  | 12.0   | 10.9  | 11.56 |
| 17 | 202039066413 |  |  | 14.0   | 14.6  | 14.24 |
| 18 | 202039066496 |  |  | 7.0    | 10.4  | 8.36  |
| 19 | 202039067109 |  |  | 16.0   | 14.25 | 15.3  |
| 20 | 202039069394 |  |  | 16.0   | 10.4  | 13.76 |
| 21 | 202039067277 |  |  | 13.0   | 9.7   | 11.68 |
| 22 | 202039066798 |  |  | 9.0    | 9.9   | 9.36  |
| 23 | 202039066423 |  |  | 14.0   | 10.2  | 12.48 |
| 24 | 202039067152 |  |  | 11.5   | 11.8  | 11.62 |
| 25 | 202039066761 |  |  | 13.5   | 11.1  | 12.54 |
| 26 | 202039064242 |  |  | 11.0   | 9.1   | 10.24 |
| 27 | 202039067627 |  |  | 4.5    | 13.3  | 8.02  |
| 28 | 202039067696 |  |  | 8.0    | 7.4   | 7.76  |
| 29 | 202039067316 |  |  | 3.0    | 10.1  | 5.84  |
| 30 | 202039068489 |  |  | 0.0    | 9.5   | 3.8   |
| 31 | 202039067651 |  |  | 17.5   | 15.2  | 16.58 |
| 32 | 202039071338 |  |  | 12.0   | 10.25 | 11.3  |
| 33 | 202039065151 |  |  | 7.0    | 9.15  | 7.86  |
| 34 | 202039062024 |  |  | 7.0    | 8.4   | 7.56  |
| 35 | 202039069812 |  |  | 2.0    | 10.1  | 5.24  |
| 36 | 202039068493 |  |  | 5.0    | 10.1  | 7.04  |
| 37 | 202039068526 |  |  | 7.5    | 6.2   | 6.98  |
| 38 | 202039069406 |  |  | 2.0    | 6.1   | 3.64  |
| 39 | 202039066847 |  |  | 5.0    | 10.1  | 7.04  |

|    |              |  |  |      |      |       |
|----|--------------|--|--|------|------|-------|
| 40 | 202039069247 |  |  | 18.0 | 14.6 | 16.64 |
| 41 | 202039066447 |  |  | 17.5 | 10.3 | 14.62 |
| 42 | 202039069760 |  |  | 17.5 | 14.1 | 16.14 |
| 43 | 202039069251 |  |  | 10.0 | 11.3 | 10.52 |
| 44 | 202039069271 |  |  | 4.0  | 11.6 | 7.04  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** toxicologie fondamentale / A / 3

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 191939068368 |  |  | 18.5   | 14.4  | 16.86 |
| 2  | 202039070191 |  |  | 9.0    | 13.15 | 10.66 |
| 3  | 202039061820 |  |  | 18.5   | 11.6  | 15.74 |
| 4  | 202039071622 |  |  | 14.5   | 10.05 | 12.72 |
| 5  | 202039071752 |  |  | 6.0    | 10.2  | 7.68  |
| 6  | 202039070648 |  |  | 12.0   | 10.5  | 11.4  |
| 7  | 202039072027 |  |  | 2.0    | 9.4   | 4.96  |
| 8  | 192039076210 |  |  | 11.5   | 14.6  | 12.74 |
| 9  | 202039070525 |  |  | 9.0    | 11.55 | 10.02 |
| 10 | 202039071332 |  |  | 8.0    | 12.3  | 9.72  |
| 11 | 202039072240 |  |  | 13.5   | 0.0   | 8.1   |
| 12 | 202039065995 |  |  | 8.75   | 11.55 | 9.87  |
| 13 | 202039070123 |  |  | 7.5    | 12.7  | 9.58  |
| 14 | 191939073090 |  |  | 3.0    | 8.3   | 5.12  |



|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 15 | 202039071583 |  |  | 6.5  | 10.85 | 8.24  |
| 16 | 202039071753 |  |  | 10.0 | 9.95  | 9.98  |
| 17 | 202039070116 |  |  | 18.0 | 12.7  | 15.88 |
| 18 | 202039061922 |  |  | 8.0  | 11.2  | 9.28  |
| 19 | 202039062920 |  |  | 16.0 | 11.7  | 14.28 |
| 20 | 202039070911 |  |  | 4.0  | 10.5  | 6.6   |
| 21 | 202039072172 |  |  | 0.0  | 0.0   | 0.0   |
| 22 | 202039069775 |  |  | 1.0  | 9.4   | 4.36  |
| 23 | 202039072227 |  |  | 7.25 | 0.0   | 4.35  |
| 24 | 202039070518 |  |  | 6.5  | 11.3  | 8.42  |
| 25 | 202039076283 |  |  | 7.0  | 11.3  | 8.72  |
| 26 | 202039071596 |  |  | 6.5  | 9.7   | 7.78  |
| 27 | 202039070091 |  |  | 12.0 | 10.05 | 11.22 |
| 28 | 202039076634 |  |  | 15.5 | 12.25 | 14.2  |
| 29 | 202039071570 |  |  | 18.0 | 10.7  | 15.08 |
| 30 | 202039062876 |  |  | 7.0  | 10.2  | 8.28  |
| 31 | 202039072258 |  |  | 15.0 | 11.85 | 13.74 |
| 32 | 202039071163 |  |  | 10.0 | 10.4  | 10.16 |
| 33 | 202039069720 |  |  | 16.0 | 13.4  | 14.96 |
| 34 | 202039070228 |  |  | 6.0  | 11.4  | 8.16  |
| 35 | 202039071700 |  |  | 0.0  | 12.7  | 5.08  |
| 36 | 202039076544 |  |  | 7.0  | 11.0  | 8.6   |
| 37 | 202039071365 |  |  | 2.0  | 11.2  | 5.68  |
| 38 | 202039061935 |  |  | 10.5 | 12.75 | 11.4  |
| 39 | 202039071624 |  |  | 12.5 | 11.5  | 12.1  |
| 40 | 202039071618 |  |  | 10.0 | 11.3  | 10.52 |
| 41 | 202039070264 |  |  | 13.5 | 11.65 | 12.76 |
| 42 | 202039050780 |  |  | 7.0  | 12.4  | 9.16  |
| 43 | 202039068435 |  |  | 12.5 | 9.7   | 11.38 |
| 44 | 202039070255 |  |  | 4.0  | 13.3  | 7.72  |
| 45 | 202039071632 |  |  | 8.0  | 13.15 | 10.06 |
| 46 | 181839064375 |  |  | 4.0  | 9.7   | 6.28  |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques**Spécialité:** Toxicologie**Période:** Semestre 5**Matière:** toxicologie fondamentale / A / 4**PV de délibération par matière (Session normal)**

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039066389 |  |  | 18.5   | 13.9  | 16.66 |
| 2  | 202039063722 |  |  | 14.0   | 13.65 | 13.86 |
| 3  | 202039064567 |  |  | 17.5   | 11.0  | 14.9  |
| 4  | 202039070599 |  |  | 19.5   | 10.3  | 15.82 |
| 5  | 202039069764 |  |  | 13.0   | 10.7  | 12.08 |
| 6  | 202039064547 |  |  | 14.5   | 10.7  | 12.98 |
| 7  | 202039064198 |  |  | 17.5   | 11.4  | 15.06 |
| 8  | 202039070138 |  |  | 7.5    | 9.8   | 8.42  |
| 9  | 202039066404 |  |  | 6.5    | 11.3  | 8.42  |
| 10 | 191939069328 |  |  | 8.0    | 11.55 | 9.42  |
| 11 | 202039070529 |  |  | 7.5    | 11.5  | 9.1   |
| 12 | 202039075845 |  |  | 2.0    | 10.0  | 5.2   |
| 13 | 202039067639 |  |  | 10.5   | 10.3  | 10.42 |
| 14 | 202039070082 |  |  | 15.0   | 11.8  | 13.72 |
| 15 | 192039075920 |  |  | 0.0    | 10.7  | 4.28  |
| 16 | 171739068183 |  |  | 13.5   | 15.55 | 14.32 |
| 17 | 202039062658 |  |  | 4.5    | 13.05 | 7.92  |
| 18 | 202039066401 |  |  | 9.0    | 11.05 | 9.82  |
| 19 | 202039064148 |  |  | 7.5    | 8.6   | 7.94  |
| 20 | 202039070857 |  |  | 15.0   | 9.25  | 12.7  |
| 21 | 202039066008 |  |  | 10.5   | 10.1  | 10.34 |
| 22 | 202039067758 |  |  | 5.0    | 8.5   | 6.4   |
| 23 | 202039071594 |  |  | 20.0   | 16.0  | 18.4  |
| 24 | 202039066393 |  |  | 2.0    | 2.4   | 2.16  |
| 25 | 202039064173 |  |  | 9.0    | 7.0   | 8.2   |
| 26 | 202039064235 |  |  | 16.0   | 10.75 | 13.9  |
| 27 | 202039062855 |  |  | 5.0    | 8.4   | 6.36  |
| 28 | 202039070982 |  |  | 16.5   | 13.4  | 15.26 |
| 29 | 202039063806 |  |  | 7.0    | 11.7  | 8.88  |
| 30 | 202039064550 |  |  | 7.0    | 10.25 | 8.3   |
| 31 | 202039070051 |  |  | 2.0    | 7.9   | 4.36  |
| 32 | 202039069743 |  |  | 14.0   | 11.9  | 13.16 |
| 33 | 202039070136 |  |  | 6.5    | 9.4   | 7.66  |
| 34 | 202039071665 |  |  | 8.5    | 11.0  | 9.5   |
| 35 | 202039069700 |  |  | 2.0    | 9.95  | 5.18  |
| 36 | 202039063755 |  |  | 5.0    | 10.2  | 7.08  |
| 37 | 202039067774 |  |  | 14.0   | 7.8   | 11.52 |
| 38 | 202039071544 |  |  | 8.0    | 11.55 | 9.42  |
| 39 | 202039071564 |  |  | 18.5   | 12.8  | 16.22 |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 40 | 202039066078 |  |  | 1.0  | 6.2   | 3.08  |
| 41 | 202039067311 |  |  | 19.0 | 12.35 | 16.34 |

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Sciences de la Nature et de la Vie

**Filière:** Sciences biologiques

**Spécialité:** Toxicologie

**Période:** Semestre 5

**Matière:** toxicologie fondamentale / A / 5

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

| #  | Matricule    |  |  | Examen | CC    | MG    |
|----|--------------|--|--|--------|-------|-------|
| 1  | 202039067276 |  |  | 16.5   | 11.1  | 14.34 |
| 2  | 191939078888 |  |  | 3.0    | 12.6  | 6.84  |
| 3  | 202039066000 |  |  | 9.0    | 10.5  | 9.6   |
| 4  | 202039064602 |  |  | 6.0    | 11.4  | 8.16  |
| 5  | 191939066858 |  |  | 12.14  | 12.14 | 12.14 |
| 6  | 191939068783 |  |  | 3.0    | 10.95 | 6.18  |
| 7  | 202039068817 |  |  | 14.0   | 11.5  | 13.0  |
| 8  | 181839073050 |  |  | 2.0    | 11.3  | 5.72  |
| 9  | 171737006915 |  |  | 6.0    | 0.0   | 3.6   |
| 10 | 191939064268 |  |  | 0.0    | 0.0   | 0.0   |
| 11 | 202039065206 |  |  | 6.5    | 9.0   | 7.5   |
| 12 | 202039071191 |  |  | 17.5   | 14.05 | 16.12 |
| 13 | 191939073137 |  |  | 8.0    | 11.9  | 9.56  |
| 14 | 191939070816 |  |  | 19.5   | 16.3  | 18.22 |

|    |              |  |  |      |       |       |
|----|--------------|--|--|------|-------|-------|
| 15 | 202039065359 |  |  | 14.5 | 10.95 | 13.08 |
| 16 | 202039065374 |  |  | 6.0  | 11.2  | 8.08  |
| 17 | 202039062100 |  |  | 3.0  | 12.0  | 6.6   |
| 18 | 202039070251 |  |  | 10.0 | 9.25  | 9.7   |
| 19 | 191939071698 |  |  | 3.0  | 10.4  | 5.96  |
| 20 | 191939066847 |  |  | 4.5  | 10.3  | 6.82  |
| 21 | 191939063651 |  |  | 5.0  | 4.2   | 4.68  |
| 22 | 191939073660 |  |  | 9.0  | 10.4  | 9.56  |
| 23 | 191939069761 |  |  | 10.0 | 12.5  | 11.0  |
| 24 | 191939065419 |  |  | 1.0  | 10.9  | 4.96  |
| 25 | 202039076678 |  |  | 9.5  | 9.0   | 9.3   |
| 26 | 171739072751 |  |  | 12.5 | 12.4  | 12.46 |
| 27 | 202039071609 |  |  | 16.0 | 13.9  | 15.16 |
| 28 | 191939063517 |  |  | 0.0  | 0.0   | 0.0   |
| 29 | 191939065169 |  |  | 3.0  | 7.5   | 4.8   |
| 30 | 191939063685 |  |  | 2.5  | 11.3  | 6.02  |
| 31 | 202039049154 |  |  | 5.0  | 8.25  | 6.3   |
| 32 | 202039065410 |  |  | 15.5 | 12.4  | 14.26 |
| 33 | 191939073103 |  |  | 4.0  | 9.9   | 6.36  |
| 34 | 191939071305 |  |  | 2.0  | 10.7  | 5.48  |
| 35 | 202039064250 |  |  | 19.5 | 14.2  | 17.38 |
| 36 | 202039069668 |  |  | 12.5 | 10.75 | 11.8  |
| 37 | 191939066957 |  |  | 0.0  | 0.0   | 0.0   |
| 38 | 191939073139 |  |  | 5.5  | 10.5  | 7.5   |
| 39 | 191939066831 |  |  | 4.5  | 12.9  | 7.86  |
| 40 | 181839062696 |  |  | 0.0  | 0.0   | 0.0   |
| 41 | 202039064667 |  |  | 13.5 | 9.9   | 12.06 |
| 42 | 191939066922 |  |  | 4.5  | 13.9  | 8.26  |
| 43 | 202039067260 |  |  | 8.5  | 10.78 | 9.41  |

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