



MUMBAI UNIVERSITY

Thakur Educational Trust's (Regd.)

THAKUR COLLEGE OF SCIENCE AND COMMERCE

SHYAMNARAYAN THAKUR MARG, THAKUR VILLAGE, KANDIVALI (EAST), MUMBAI 400 101

Final Office Register For B.COM INTERNATIONAL ACCOUNTING - I Examination ATKT JUNE 2024 (NEP)

Course Name : B.COM INTERNATIONAL ACCOUNTING - I

Result Date : 08/07/2024

| Student Id<br>Seat No.                                       | PRN No<br>Name<br>ABC Id          | SubCode                             |     |     |    |      |    |    |      | SubCode                              |     |     |     |   |    |      |      | SubCode                             |     |     |    |    |      |     |    | SubCode                           |     |     |    |     |     |    |   | CG<br>Earn Cred.                 | Grade<br>Remark<br>Total Marks<br>Fail Subjects | SGPA/<br>Percentage      |             |    |  |  |  |           |               |  |  |
|--------------------------------------------------------------|-----------------------------------|-------------------------------------|-----|-----|----|------|----|----|------|--------------------------------------|-----|-----|-----|---|----|------|------|-------------------------------------|-----|-----|----|----|------|-----|----|-----------------------------------|-----|-----|----|-----|-----|----|---|----------------------------------|-------------------------------------------------|--------------------------|-------------|----|--|--|--|-----------|---------------|--|--|
|                                                              |                                   | INT                                 | EXT | TOT | CP | G    | GP | CG |      | INT                                  | EXT | TOT | CP  | G | GP | CG   |      | INT                                 | EXT | TOT | CP | G  | GP   | CG  |    | INT                               | EXT | TOT | CP | G   | GP  | CG |   |                                  |                                                 |                          |             |    |  |  |  |           |               |  |  |
| 4449157                                                      | 2023016400476632                  | MAJOR-UGBIA1FPB123                  |     |     |    |      |    |    |      | MAJOR-UGBIA1FAC223                   |     |     |     |   |    |      |      | OE-UGBIA1POE323                     |     |     |    |    |      |     |    | OE-UGBIA1QUT423                   |     |     |    |     |     |    |   | 126                              | B                                               | PASS<br>310/550          | 5.73/56.36% |    |  |  |  |           |               |  |  |
| 16305                                                        | GUPTA SUMIT SANTOSH<br>SUNITA     | Int(10/25) Ext(30/75) Total(40/100) |     |     |    |      |    |    |      | Int(4/10) Ext(16/40) Total(20/50)    |     |     |     |   |    |      |      | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |    |      |     |    | Int(4/10) Ext(16/40) Total(20/50) |     |     |    |     |     |    |   | 22                               |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | +12                                 | +40 | 52  | 4  | C\$  | 5  | 20 | +04  | +21                                  | 25  | 2   | C\$ | 5 | 10 | +04^ | +20  | 24                                  | 2   | P\$ | 4  | 8  | +04^ | +21 | 25 | 2                                 | C\$ | 5   | 10 | +07 | +33 | 40 | 2 | A+\$                             | 9                                               |                          |             | 18 |  |  |  |           |               |  |  |
|                                                              | 628170576557                      | SEC-UGBIA1LRP623                    |     |     |    |      |    |    |      | -UGBIA1ENG723                        |     |     |     |   |    |      |      | VEC-UGBIA1UNI823                    |     |     |    |    |      |     |    | IKS-UGBIA1ITK923                  |     |     |    |     |     |    |   | CC-UGCOM1CCPA23                  |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |      |    |    |      | Int(4/10) Ext(16/40) Total(20/50)    |     |     |     |   |    |      |      | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |    |      |     |    | Int(4/10) Ext(16/40) Total(20/50) |     |     |    |     |     |    |   | Int(0/0) Ext(20/50) Total(20/50) |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | +04^                                | +32 | 36  | 2  | A\$  | 8  | 16 | +05  | 16^                                  | 21  | 2   | P   | 4 | 8  | +04^ | +16  | 20                                  | 2   | P\$ | 4  | 8  | +05  | +17 | 22 | 2                                 | P\$ | 4   | 8  | --  | +45 | 45 | 2 | O                                | 10                                              | 20                       |             |    |  |  |  |           |               |  |  |
| Sem I : Credits Earned=22, SGPA=5.73<br>ATKT JUNE 2024 (NEP) |                                   | Sem II : Credits Earned=NA, SGPA=NA |     |     |    |      |    |    |      | Sem III : Credits Earned=NA, SGPA=NA |     |     |     |   |    |      |      | Sem IV : Credits Earned=NA, SGPA=NA |     |     |    |    |      |     |    |                                   |     |     |    |     |     |    |   |                                  |                                                 |                          |             |    |  |  |  | CGPA : -- | Final Grade : |  |  |
|                                                              |                                   |                                     |     |     |    |      |    |    |      |                                      |     |     |     |   |    |      |      |                                     |     |     |    |    |      |     |    |                                   |     |     |    |     |     |    |   |                                  |                                                 |                          |             |    |  |  |  |           |               |  |  |
| 4449156                                                      | 2023016400476655                  | MAJOR-UGBIA1FPB123                  |     |     |    |      |    |    |      | MAJOR-UGBIA1FAC223                   |     |     |     |   |    |      |      | -UGBIA1POE323                       |     |     |    |    |      |     |    | OE-UGBIA1QUT423                   |     |     |    |     |     |    |   | 116                              | C                                               | PASS<br>294/550          | 5.27/53.45% |    |  |  |  |           |               |  |  |
| 16306                                                        | MALI ARVIND BABULAL LEELA<br>DEVI | Int(10/25) Ext(30/75) Total(40/100) |     |     |    |      |    |    |      | Int(4/10) Ext(16/40) Total(20/50)    |     |     |     |   |    |      |      | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |    |      |     |    | Int(4/10) Ext(16/40) Total(20/50) |     |     |    |     |     |    |   | 22                               |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | +16                                 | +37 | 53  | 4  | C\$  | 5  | 20 | +07  | +20                                  | 27  | 2   | C\$ | 5 | 10 | +04  | 22   | 26                                  | 2   | C   | 5  | 10 | +10  | +17 | 27 | 2                                 | C\$ | 5   | 10 | +07 | +26 | 33 | 2 | B+\$                             | 7                                               |                          |             | 14 |  |  |  |           |               |  |  |
|                                                              | 605477576370                      | SEC-UGBIA1LRP623                    |     |     |    |      |    |    |      | -UGBIA1ENG723                        |     |     |     |   |    |      |      | VEC-UGBIA1UNI823                    |     |     |    |    |      |     |    | IKS-UGBIA1ITK923                  |     |     |    |     |     |    |   | CC-UGCOM1CCPA23                  |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |      |    |    |      | Int(4/10) Ext(16/40) Total(20/50)    |     |     |     |   |    |      |      | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |    |      |     |    | Int(4/10) Ext(16/40) Total(20/50) |     |     |    |     |     |    |   | Int(0/0) Ext(20/50) Total(20/50) |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | +04                                 | +36 | 40  | 2  | A+\$ | 9  | 18 | +06  | 16^                                  | 22  | 2   | P   | 4 | 8  | +05  | +16  | 21                                  | 2   | P\$ | 4  | 8  | +04  | +16 | 20 | 2                                 | P\$ | 4   | 8  | --  | +25 | 25 | 2 | C                                | 5                                               | 10                       |             |    |  |  |  |           |               |  |  |
| Sem I : Credits Earned=22, SGPA=5.27<br>ATKT JUNE 2024 (NEP) |                                   | Sem II : Credits Earned=NA, SGPA=NA |     |     |    |      |    |    |      | Sem III : Credits Earned=NA, SGPA=NA |     |     |     |   |    |      |      | Sem IV : Credits Earned=NA, SGPA=NA |     |     |    |    |      |     |    |                                   |     |     |    |     |     |    |   |                                  |                                                 |                          |             |    |  |  |  | CGPA : -- | Final Grade : |  |  |
|                                                              |                                   |                                     |     |     |    |      |    |    |      |                                      |     |     |     |   |    |      |      |                                     |     |     |    |    |      |     |    |                                   |     |     |    |     |     |    |   |                                  |                                                 |                          |             |    |  |  |  |           |               |  |  |
| 4717732                                                      | 2023016400489265                  | MAJOR-UGBIA1FPB123                  |     |     |    |      |    |    |      | MAJOR-UGBIA1FAC223                   |     |     |     |   |    |      |      | -UGBIA1POE323                       |     |     |    |    |      |     |    | -UGBIA1QUT423                     |     |     |    |     |     |    |   | 84                               | NA                                              | FAIL<br>252/550<br>F (1) | NA          |    |  |  |  |           |               |  |  |
| 16313                                                        | SHUKLA JIGNESH SHRIKANT<br>MAMTA  | Int(10/25) Ext(30/75) Total(40/100) |     |     |    |      |    |    |      | Int(4/10) Ext(16/40) Total(20/50)    |     |     |     |   |    |      |      | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |    |      |     |    | Int(4/10) Ext(16/40) Total(20/50) |     |     |    |     |     |    |   | 20                               |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | +17                                 | +32 | 49  | 4  | P\$  | 4  | 16 | +06  | +16                                  | 22  | 2   | P\$ | 4 | 8  | +04  | 22   | 26                                  | 2   | C   | 5  | 10 | +10  | 07F | 17 | 2                                 | F   | 0   | 0  | +04 | +20 | 24 | 2 | P\$                              | 4                                               |                          |             | 8  |  |  |  |           |               |  |  |
|                                                              | 952517877999                      | SEC-UGBIA1LRP623                    |     |     |    |      |    |    |      | AEC-UGBIA1ENG723                     |     |     |     |   |    |      |      | VEC-UGBIA1UNI823                    |     |     |    |    |      |     |    | IKS-UGBIA1ITK923                  |     |     |    |     |     |    |   | CC-UGCOM1CCPA23                  |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |      |    |    |      | Int(4/10) Ext(16/40) Total(20/50)    |     |     |     |   |    |      |      | Int(4/10) Ext(16/40) Total(20/50)   |     |     |    |    |      |     |    | Int(4/10) Ext(16/40) Total(20/50) |     |     |    |     |     |    |   | Int(0/0) Ext(20/50) Total(20/50) |                                                 |                          |             |    |  |  |  |           |               |  |  |
|                                                              |                                   | +07                                 | +17 | 24  | 2  | P\$  | 4  | 8  | +04^ | +20                                  | 24  | 2   | P\$ | 4 | 8  | +04^ | +16^ | 20                                  | 2   | P\$ | 4  | 8  | +04^ | +22 | 26 | 2                                 | C\$ | 5   | 10 | --  | +20 | 20 | 2 | P                                | 4                                               | 8                        |             |    |  |  |  |           |               |  |  |
| Sem I : Credits Earned=20, SGPA=NA<br>ATKT JUNE 2024 (NEP)   |                                   | Sem II : Credits Earned=NA, SGPA=NA |     |     |    |      |    |    |      | Sem III : Credits Earned=NA, SGPA=NA |     |     |     |   |    |      |      | Sem IV : Credits Earned=NA, SGPA=NA |     |     |    |    |      |     |    |                                   |     |     |    |     |     |    |   |                                  |                                                 |                          |             |    |  |  |  | CGPA : -- | Final Grade : |  |  |
|                                                              |                                   |                                     |     |     |    |      |    |    |      |                                      |     |     |     |   |    |      |      |                                     |     |     |    |    |      |     |    |                                   |     |     |    |     |     |    |   |                                  |                                                 |                          |             |    |  |  |  |           |               |  |  |

Entered By:

Checked By:

Chairperson:

Examination Committee:

Principal:

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Abbreviations: @-5042/5043/5044, \* - 5045, # - O.229, EX Exemption, + - Carried Forward, F - Fail, AB - Absent, DA - Disallowed, CC - Copy Case, NA - Not Applicable, INT - Internal Assesment, EXT Sem - End, TOT - Total Marks, CP - Credit Points, G - Grade, GP - Grade Point, CG - Credit x Grade, SGPA - Semester Grade Point Average, FC - FAil Count, v - Scale Down  
Note: The sub code titles are on the last page of the report.

Grade : O : 9.00-10.00, A+ : 8.00-8.99, A : 7.00-7.99, B+ : 6.00-6.99, B : 5.50-5.99, C : 5.00-5.49, P : 4.00-4.99, F : 0.00-3.99



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SHYAMNARAYAN THAKUR MARG, THAKUR VILLAGE, KANDIVALI (EAST), MUMBAI 400 101

Final Office Register For B.COM INTERNATIONAL ACCOUNTING - I Examination ATKT JUNE 2024 (NEP)

Course Name : B.COM INTERNATIONAL ACCOUNTING - I

Result Date : 08/07/2024

| Student Id                                             | PRN No | SubCode                                           |     |     |    |   | SubCode                                                |    |     |     |     | SubCode                                                |   |    |    |     | SubCode                                                |     |    |   |    | SubCode                                                |     |     |     |    | SubCode                                                |    |    |     |     | CG                                                     | Grade | SGPA/ |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|--------------------------------------------------------|--------|---------------------------------------------------|-----|-----|----|---|--------------------------------------------------------|----|-----|-----|-----|--------------------------------------------------------|---|----|----|-----|--------------------------------------------------------|-----|----|---|----|--------------------------------------------------------|-----|-----|-----|----|--------------------------------------------------------|----|----|-----|-----|--------------------------------------------------------|-------|-------|----|----|------------|-------------|---------------|--|--|----------|--|--|--|--|-----------|--|--|--|--|-------|--|--|--|--|
| Seat No.                                               | Name   | INT                                               | EXT | TOT | CP | G | GP                                                     | CG | INT | EXT | TOT | CP                                                     | G | GP | CG | INT | EXT                                                    | TOT | CP | G | GP | CG                                                     | INT | EXT | TOT | CP | G                                                      | GP | CG | INT | EXT | TOT                                                    | CP    | G     | GP | CG | Earn Cred. | Remark      | Percentage    |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
| ABC Id                                                 |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            | Total Marks | Fail Subjects |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
| UGBIA1FPB123 - CMA-FINANCIAL PLANNING & BUDGETING      |        | UGBIA1FPB123 - CMA-FINANCIAL PLANNING & BUDGETING |     |     |    |   | UGBIA1FAC223 - CMA-FINANCIAL ANALYTICS & CONTROL       |    |     |     |     | UGBIA1FAC223 - CMA-FINANCIAL ANALYTICS & CONTROL       |   |    |    |     | UGBIA1POE323 - PRINCIPLES OF ECONOMICS - I             |     |    |   |    | UGBIA1POE323 - PRINCIPLES OF ECONOMICS - I             |     |     |     |    | UGBIA1QUT423 - QUANTITATIVE TECHNIQUES - I             |    |    |     |     | UGBIA1QUT423 - QUANTITATIVE TECHNIQUES - I             |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
| UGBIA1POE323 - PRINCIPLES OF ECONOMICS - I             |        | UGBIA1POE323 - PRINCIPLES OF ECONOMICS - I        |     |     |    |   | UGBIA1QUT423 - QUANTITATIVE TECHNIQUES - I             |    |     |     |     | UGBIA1QUT423 - QUANTITATIVE TECHNIQUES - I             |   |    |    |     | UGBIA1ENG723 - LANGUAGE - I ENGLISH I [ EC-I]          |     |    |   |    | UGBIA1ENG723 - LANGUAGE - I ENGLISH I [ EC-I]          |     |     |     |    | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |    |    |     |     | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
| UGBIA1FAB523 - CMA-FINANCIAL ACCOUNTING BASICS         |        | UGBIA1FAB523 - CMA-FINANCIAL ACCOUNTING BASICS    |     |     |    |   | UGBIA1LRP623 - LOGICAL REASONING & PERSONAL GROOMING   |    |     |     |     | UGBIA1LRP623 - LOGICAL REASONING & PERSONAL GROOMING   |   |    |    |     | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |     |    |   |    | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |     |     |     |    | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |    |    |     |     | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
| UGBIA1UNI823 - UNDERSTANDING INDIA                     |        | UGBIA1UNI823 - UNDERSTANDING INDIA                |     |     |    |   | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |    |     |     |     | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |   |    |    |     | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |     |    |   |    | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |     |     |     |    | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |    |    |     |     | UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
| UGBIA1ITK923 - ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE |        | ATKT - 1                                          |     |     |    |   | ATKT - 2                                               |    |     |     |     | ATKT - 3                                               |   |    |    |     | ATKT - 4                                               |     |    |   |    | ATKT - 5                                               |     |     |     |    | ATKT - 6                                               |    |    |     |     | ATKT - 7                                               |       |       |    |    | ATKT - 8   |             |               |  |  | ATKT - 9 |  |  |  |  | ATKT - 10 |  |  |  |  | Total |  |  |  |  |
| PASS                                                   |        | 1                                                 |     |     |    |   | 0                                                      |    |     |     |     | 0                                                      |   |    |    |     | 0                                                      |     |    |   |    | 0                                                      |     |     |     |    | 0                                                      |    |    |     |     | 0                                                      |       |       |    |    | 0          |             |               |  |  | 0        |  |  |  |  | 0         |  |  |  |  | 3     |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |
|                                                        |        |                                                   |     |     |    |   |                                                        |    |     |     |     |                                                        |   |    |    |     |                                                        |     |    |   |    |                                                        |     |     |     |    |                                                        |    |    |     |     |                                                        |       |       |    |    |            |             |               |  |  |          |  |  |  |  |           |  |  |  |  |       |  |  |  |  |