### NATIONAL UNIVERSITY OF MODERN LANGUAGES

(Examination Branch)
Faculty of Engineering and Computing

Department of Software Engineering Final Term Examination - Fall 2024 Morning

| <u> </u>                               | лр-А                                   |           |                              | Time : 09:00 AM - 12:00                                 |  |  |  |  |
|--|--|-----------|------------------------------|---|--|--|--|--|
| Sr#                                    | Date                                   | Day       |                              | Subject   |  |  |  |  |
|  |  |           | BS Software Engineeri        | ng - 1st Semester                                       |  |  |  |  |
| 1                                      | 26 December 2024                       | Thursday  |                              | Pre- Maths-1 (Non-Credit)                               |  |  |  |  |
| 2                                      | 30 December 2024                       | Monday    | SEIT-111                     | Application of Information & Communication Technology   |  |  |  |  |
| 3                                      | 01 January 2025                        | Wednesday | SEFE-114                     | Functional English                                      |  |  |  |  |
| 4                                      | 03 January 2025                        | Friday    | SEAP-113                     | Applied Physics   |  |  |  |  |
| 5                                      | 07 January 2025                        | Tuesday   | IS-112                       | Islamic Studies   |  |  |  |  |
| 6                                      | 09 January 2025                        | Thursday  | SEPF-121                     | Programming Fundamentals                                |  |  |  |  |
| 7                                      | 13 January 2025                        | Monday    | SEAF-161                     | Accounting Fundamentals                                 |  |  |  |  |
|  | BS Software Engineering - 2nd Semester |           |                              |   |  |  |  |  |
| 1                                      | 27 December 2024                       | Friday    |                              | Pre- Maths-2 (Non-Credit)                               |  |  |  |  |
| 2                                      | 30 December 2024                       | Monday    | PS-118                       | Ideology & Const. of Pakistan                           |  |  |  |  |
| 3                                      | 01 January 2025                        | Wednesday | SEOO-122                     | Object Oriented Programming                             |  |  |  |  |
| 4                                      | 03 January 2025                        | Friday    | SEEW-115                     | Expository Writing                                      |  |  |  |  |
| 5                                      | 07 January 2025                        | Tuesday   | SEDS-116                     | Discrete Structures                                     |  |  |  |  |
| 6                                      | 09 January 2025                        | Thursday  | SESE-123                     | Software Engineering                                    |  |  |  |  |
| 7                                      | 13 January 2025                        | Monday    | SECA-117                     | Calculus & Analytical Geometry                          |  |  |  |  |
| BS Software Engineering - 3rd Semester |  |           |                              |   |  |  |  |  |
| 1                                      | 30 December 2024                       | Monday    | SEFM-262                     | Formal Methods in Software Engineering                  |  |  |  |  |
| 2                                      | 01 January 2025                        | Wednesday | SEDA-224                     | Data Structure  |  |  |  |  |
| 3                                      | 03 January 2025                        | Friday    | SEIP-219                     | Introduction to Psychology                              |  |  |  |  |
| 4                                      | 07 January 2025                        | Tuesday   | SESR-241                     | Software Requirement Engineering                        |  |  |  |  |
| 5                                      | 09 January 2025                        | Thursday  | SEPP-220                     | Professional Practices                                  |  |  |  |  |
| 6                                      | 13 January 2025                        | Monday    | SELA-201                     | Linear Algebra  |  |  |  |  |
|  |  |           | <b>BS Software Engineeri</b> | ng - 4th Semester                                       |  |  |  |  |
| 1                                      | 30 December 2024                       | Monday    | SEOS-226                     | Operating Systems                                       |  |  |  |  |
| 2                                      | 01 January 2025                        | Wednesday | SEBP-263                     | Business Process Engineering                            |  |  |  |  |
| 3                                      | 03 January 2025                        | Friday    | SEDB-227                     | Database Systems  |  |  |  |  |
| 4                                      | 07 January 2025                        | Tuesday   | SESD-242                     | Software Design & Architecture                          |  |  |  |  |
| 5                                      | 09 January 2025                        | Thursday  | SEPS-204                     | Probability & Statistics                                |  |  |  |  |
|  |  |           | <b>BS Software Engineeri</b> | ng - 5th Semester                                       |  |  |  |  |
| 1                                      | 30 December 2024                       | Monday    | SESC-344                     | Software Construction & Development                     |  |  |  |  |
| 2                                      | 01 January 2025                        | Wednesday | SEAI-365                     | Artificial Intelligence                                 |  |  |  |  |
| 3                                      | 03 January 2025                        | Friday    | SEHC-343                     | Human Computer Interaction                              |  |  |  |  |
| 4                                      | 07 January 2025                        | Tuesday   | V SECN-328                   | Computer Networks                                       |  |  |  |  |
| 5                                      | 09 January 2025                        | Thursday  | SEWE-346                     | Web Engineering   |  |  |  |  |
|  |  |           | BS Software Engineeri        | ng - 6th Semester                                       |  |  |  |  |
| 1                                      | 30 December 2024                       | Monday    | SESQ-345                     | Software Quality Engineering                            |  |  |  |  |
| 2                                      | 01 January 2025                        | Wednesday | SEMA-366/SEUS-366            | Mobile Application Development / User Experience Design |  |  |  |  |
| 3                                      | 03 January 2025                        | Friday    | SETB-317                     | Technical and Business Writing                          |  |  |  |  |
| 4                                      | 07 January 2025                        | Tuesday   | SEIS-329                     | Information Security                                    |  |  |  |  |
| 5                                      | 09 January 2025                        | Thursday  | SESS-367                     | Social Service  |  |  |  |  |
| 6                                      | 13 January 2025                        | Monday    | SEVP-364                     | Visual Programming                                      |  |  |  |  |
|  |  |           | BS Software Engineeri        | ng - 7th Semester                                       |  |  |  |  |
| 1                                      | 30 December 2024                       | Monday    | SEOR-468                     | Operations Research                                     |  |  |  |  |
| 2                                      | 01 January 2025                        | Wednesday | SESP-447                     | Software Project Management                             |  |  |  |  |
| 3                                      | 03 January 2025                        | Friday    | SETE-469                     | Technical Entrepreneurship                              |  |  |  |  |
| 4                                      | 07 January 2025                        | Tuesday   | SESR-448                     | Software Re-Engineering                                 |  |  |  |  |
| 5                                      | 09 January 2025                        | Thursday  | SEWE-470/SET-470             | Web-II / Software Testing                               |  |  |  |  |
|  |  |           | BS Software Engineeri        | ng - 8th Semester                                       |  |  |  |  |
| 1                                      | 30 December 2024                       | Monday    | SEPI-471                     | Software Process Improvement                            |  |  |  |  |
| 2                                      | 01 January 2025                        | Wednesday | SEFL-472                     | Foreign Language (German / Arabic)                      |  |  |  |  |
| 3                                      | 03 January 2025                        | Friday    | APPI-121                     | Introduction to Psychology                              |  |  |  |  |
| 4                                      | 07 January 2025                        | Tuesday   | CSPP-211                     | Professional Practices                                  |  |  |  |  |

### NATIONAL UNIVERSITY OF MODERN LANGUAGES

### (Examination Branch)

# Faculty of Engineering and Computing Department of Software Engineering Final Term Examination - Fall 2024 Afternoon

Time: 03:30 PM - 06:30 PM

| 2 30 December 2024 Monday SEIT-111 Application of Inform 3 01 January 2025 Wednesday SEFE-114 Functional English 4 03 January 2025 Friday SEAP-113 Applied Physics 5 07 January 2025 Tuesday IS-112 Islamic Studies 6 09 January 2025 Thursday SEPF-121 Programming Funda 7 13 January 2025 Monday SEAF-161 Accounting Fundamental Section Services Servi |   |  |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|--|
| 1 26 December 2024 Thursday Pre- Maths-1 (Non-Color 2 30 December 2024 Monday SEIT-111 Application of Inform 3 01 January 2025 Wednesday SEFE-114 Functional English 4 03 January 2025 Friday SEAP-113 Applied Physics 5 07 January 2025 Tuesday IS-112 Islamic Studies 6 09 January 2025 Thursday SEPF-121 Programming Funda 7 13 January 2025 Monday SEAF-161 Accounting Fundamental Programment Section 1 27 December 2024 Friday Pre - Maths-2 (Non-Color 2014) Programment Pre - Maths-2 (Non-Color 2014) P | ation & Communication Technology  mentals |  |  |  |  |  |  |  |  |  |
| 2 30 December 2024 Monday SEIT-111 Application of Inform 3 01 January 2025 Wednesday SEFE-114 Functional English 4 03 January 2025 Friday SEAP-113 Applied Physics 5 07 January 2025 Tuesday IS-112 Islamic Studies 6 09 January 2025 Thursday SEPF-121 Programming Funda 7 13 January 2025 Monday SEAF-161 Accounting Fundame  BS Software Engineering - 2nd Semester 1 27 December 2024 Friday Pre - Maths-2 (Non- 2 30 December 2024 Monday PS-118 Ideology & Const. of   | ation & Communication Technology  mentals |  |  |  |  |  |  |  |  |  |
| 3 01 January 2025 Wednesday SEFE-114 Functional English 4 03 January 2025 Friday SEAP-113 Applied Physics 5 07 January 2025 Tuesday IS-112 Islamic Studies 6 09 January 2025 Thursday SEPF-121 Programming Funda 7 13 January 2025 Monday SEAF-161 Accounting Fundame  BS Software Engineering - 2nd Semester 1 27 December 2024 Friday Pre - Maths-2 (Non- 2 30 December 2024 Monday PS-118 Ideology & Const. of  | mentals                                   |  |  |  |  |  |  |  |  |  |
| 4 03 January 2025 Friday SEAP-113 Applied Physics 5 07 January 2025 Tuesday IS-112 Islamic Studies 6 09 January 2025 Thursday SEPF-121 Programming Funda 7 13 January 2025 Monday SEAF-161 Accounting Fundame  BS Software Engineering - 2nd Semester 1 27 December 2024 Friday Pre - Maths-2 (Non- 2 30 December 2024 Monday PS-118 Ideology & Const. of  |   |  |  |  |  |  |  |  |  |  |
| 5 07 January 2025 Tuesday IS-112 Islamic Studies 6 09 January 2025 Thursday SEPF-121 Programming Funda 7 13 January 2025 Monday SEAF-161 Accounting Fundame  BS Software Engineering - 2nd Semester 1 27 December 2024 Friday Pre - Maths-2 (Non- 2 30 December 2024 Monday PS-118 Ideology & Const. of  |   |  |  |  |  |  |  |  |  |  |
| 6 09 January 2025 Thursday SEPF-121 Programming Funda 7 13 January 2025 Monday SEAF-161 Accounting Fundame  BS Software Engineering - 2nd Semester 1 27 December 2024 Friday Pre - Maths-2 (Non- 2 30 December 2024 Monday PS-118 Ideology & Const. of   |   |  |  |  |  |  |  |  |  |  |
| 7 13 January 2025 Monday SEAF-161 Accounting Fundame  BS Software Engineering - 2nd Semester  1 27 December 2024 Friday Pre - Maths-2 (Non- 2 30 December 2024 Monday PS-118 Ideology & Const. of  |   |  |  |  |  |  |  |  |  |  |
| BS Software Engineering - 2nd Semester  1 27 December 2024 Friday Pre - Maths-2 (Non- 2 30 December 2024 Monday PS-118 Ideology & Const. of  | entals                                    |  |  |  |  |  |  |  |  |  |
| 127 December 2024FridayPre - Maths-2 (Non-230 December 2024MondayPS-118Ideology & Const. of  |   |  |  |  |  |  |  |  |  |  |
| 2 30 December 2024 Monday PS-118 Ideology & Const. of  | BS Software Engineering - 2nd Semester    |  |  |  |  |  |  |  |  |  |
| 7 07   | Credit) (Time: 09:00 AM - 12:00 PM)       |  |  |  |  |  |  |  |  |  |
| 3 01 January 2025 Wednesday SEOQ-122 Object Oriented Bros  | Pakistan                                  |  |  |  |  |  |  |  |  |  |
| 1 3   31 January 2020   Wednesday   3LOO-122   Object Offented Prog  | gramming                                  |  |  |  |  |  |  |  |  |  |
| 4 03 January 2025 Friday SEEW-115 Expository Writing   |   |  |  |  |  |  |  |  |  |  |
| 5 07 January 2025 Tuesday SEDS-116 Discrete Structures   |   |  |  |  |  |  |  |  |  |  |
| 6 09 January 2025 Thursday SESE-123 Software Engineering   | g   |  |  |  |  |  |  |  |  |  |
| 7 13 January 2025 Monday SECA-117 Calculus & Analytica   | I Geometry                                |  |  |  |  |  |  |  |  |  |
| BS Software Engineering - 3rd Semester   |   |  |  |  |  |  |  |  |  |  |
| 1 30 December 2024 Monday SEFM-262 Formal Methods in S   | Software Engineering                      |  |  |  |  |  |  |  |  |  |
| 2 01 January 2025 Wednesday SEDA-224 Data Structure  | 5 0                                       |  |  |  |  |  |  |  |  |  |
| 3 03 January 2025 Friday SEIP-219 Introduction to Psych  | nology                                    |  |  |  |  |  |  |  |  |  |
| 4 07 January 2025 Tuesday SESR-241 A Software Requireme  |   |  |  |  |  |  |  |  |  |  |
| 5 09 January 2025 Thursday SEPP-220 Professional Practice  |   |  |  |  |  |  |  |  |  |  |
| 6 13 January 2025 Monday SELA-201 Linear Algebra   |   |  |  |  |  |  |  |  |  |  |
| BS Software Engineering - 4th Semester   |   |  |  |  |  |  |  |  |  |  |
| 1 30 December 2024 Monday SEOS-226 Operating Systems   |   |  |  |  |  |  |  |  |  |  |
| 2 01 January 2025 Wednesday SEBP-263 Business Process Er   | naineerina                                |  |  |  |  |  |  |  |  |  |
| 3 03 January 2025 Friday SEDB-227 Database Systems   | iginosinig                                |  |  |  |  |  |  |  |  |  |
| 4 07 January 2025 Tuesday SESD-242 Software Design & A   | rchitecture                               |  |  |  |  |  |  |  |  |  |
| 5 09 January 2025 Thursday SEPS-204 Probability & Statistic  |   |  |  |  |  |  |  |  |  |  |
| BS Software Engineering - 5th Semester   | 55  |  |  |  |  |  |  |  |  |  |
| 1 30 December 2024 Monday SESC-344 Software Construction   | on & Development                          |  |  |  |  |  |  |  |  |  |
| 2 01 January 2025 Wednesday SEAI-365 Artificial Intelligence   | on & Development                          |  |  |  |  |  |  |  |  |  |
|  | toraction                                 |  |  |  |  |  |  |  |  |  |
|  | teraction                                 |  |  |  |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |  |  |  |
| , , ,  |   |  |  |  |  |  |  |  |  |  |
| BS Software Engineering - 6th Semester   | uta a auta a                              |  |  |  |  |  |  |  |  |  |
| 1 30 December 2024 Monday SESQ-345 Software Quality Eng  | -   |  |  |  |  |  |  |  |  |  |
|  | evelopment / User Experience Design       |  |  |  |  |  |  |  |  |  |
| 3 03 January 2025 Friday SETB-317 Technical and Busine   | ess writing                               |  |  |  |  |  |  |  |  |  |
| 4 07 January 2025 Tuesday SEIS-329 Information Security  |   |  |  |  |  |  |  |  |  |  |
| 5 09 January 2025 Thursday SESS-367 Social Service   |   |  |  |  |  |  |  |  |  |  |
| 6 13 January 2025 Monday SEVP-364 Visual Programming   |   |  |  |  |  |  |  |  |  |  |
| BS Software Engineering - 7th Semester   |   |  |  |  |  |  |  |  |  |  |
| 1 30 December 2024 Monday SEOR-468 Operations Research   |   |  |  |  |  |  |  |  |  |  |
| 2 01 January 2025 Wednesday SESP-447 Software Project Mar  |   |  |  |  |  |  |  |  |  |  |
| 3 03 January 2025 Friday SETE-469 Technical Entreprene   | •   |  |  |  |  |  |  |  |  |  |
| 4 07 January 2025 Tuesday SESR-448 Software Re-Enginee   |   |  |  |  |  |  |  |  |  |  |
| 5 09 January 2025 Thursday SEWE-470/SET-470 Web-II / Software Te   | esting                                    |  |  |  |  |  |  |  |  |  |
| BS Software Engineering - 8th Semester   | BS Software Engineering - 8th Semester    |  |  |  |  |  |  |  |  |  |
| 1 30 December 2024 Monday SEPI-471 Software Process Im   | provement                                 |  |  |  |  |  |  |  |  |  |
| 2 01 January 2025 Wednesday SEFL-472 Foreign Language (C   | German / Arabic)                          |  |  |  |  |  |  |  |  |  |
| 3 03 January 2025 Friday APPI-121 Introduction to Psych  | nology                                    |  |  |  |  |  |  |  |  |  |
| 4 07 January 2025 Tuesday CSPP-211 Professional Practice   | es  |  |  |  |  |  |  |  |  |  |

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### (Examination Branch)

## Faculty of Engineering and Computing Department of Software Engineering Final Term Examination - Fall 2024

|  |  |           | Morn           | ing   |  |  |  |  |
|--|--|-----------|----------------|---|--|--|--|--|
| Group-A Time: 09:00 AM - 12:00 P         |  |           |                |   |  |  |  |  |
| Sr#                                      | Date   | Day       |                | Subject   |  |  |  |  |
| BS Information Technology - 1st Semester |  |           |                |   |  |  |  |  |
| 1  | 26 December 2024   | Thursday  |                | Pre - Maths-1 (Non-Credit)                            |  |  |  |  |
| 2  | 30 December 2024   | Monday    | ITIT-111       | Application of Information & Communication Technology |  |  |  |  |
| 3  | 01 January 2025  | Wednesday | ITFE-114       | Functional English                                    |  |  |  |  |
| 4  | 03 January 2025  | Friday    | ITAP-113       | Applied Physics                                       |  |  |  |  |
| 5  | 07 January 2025  | Tuesday   | IS-112         | Islamic Studies                                       |  |  |  |  |
| 6  | 09 January 2025  | Thursday  | ITPF-121       | Programming Fundamentals                              |  |  |  |  |
| 7  | 13 January 2025  | Monday    | ITHR-161       | Human Resource Management                             |  |  |  |  |
| BS Information Technology - 2nd Semester |  |           |                |   |  |  |  |  |
| 1  | 27 December 2024   | Friday    |                | Pre - Maths-2 (Non-Credit)                            |  |  |  |  |
| 2  | 30 December 2024   | Monday    | PS-118         | Ideology and Constitution of Pakistan                 |  |  |  |  |
| 3  | 01 January 2025  | Wednesday | ITOO-122       | Object Oriented Programming                           |  |  |  |  |
| 4  | 03 January 2025  | Friday    | ITEW-115       | Expository Writing                                    |  |  |  |  |
| 5  | 07 January 2025  | Tuesday   | ITPS-116       | Discrete Structures                                   |  |  |  |  |
| 6  | 09 January 2025  | Thursday  | ITSE-123       | Software Engineering                                  |  |  |  |  |
| 7  | 13 January 2025  | Monday    | ITCA-117       | Calculus & Analytical Geometry                        |  |  |  |  |
| <u> </u>                                 | ·  | BS Info   | ormation Techn | ology - 3rd Semester                                  |  |  |  |  |
| 1  | 30 December 2024   | Monday    | ITLA-201       | Linear Algebra  |  |  |  |  |
| 2  | 01 January 2025  | Wednesday | ITDA-224       | Data Structure and Algorithms                         |  |  |  |  |
| 3  | 03 January 2025  | Friday    | ITIP-219       | Introduction to Psychology                            |  |  |  |  |
| 4  | 07 January 2025  | Tuesday   | ITCN-225       | Computer Networks                                     |  |  |  |  |
| 5  | 09 January 2025  | Thursday  | ITPP-220       | Professional Practices                                |  |  |  |  |
| 6  | 13 January 2025  | Monday    | ITES-262       | Enterprise System                                     |  |  |  |  |
|  | · · · · · · · · · · · · · · · · · · ·  | -         | rmation Techn  | ology - 4th Semester                                  |  |  |  |  |
| 1  | 30 December 2024   | Monday    | ITOS-226       | Operating System                                      |  |  |  |  |
| 2  | 01 January 2025  | Wednesday | ITPM-241       | IT Project Management                                 |  |  |  |  |
| 3  | 03 January 2025  | Friday    | ITDB-227       | Database System                                       |  |  |  |  |
| 4  | 07 January 2025  | Tuesday   | ITCN-328       | Computer Networks                                     |  |  |  |  |
| 5  | 09 January 2025  | Thursday  | ITDM-365       | Digital Marketing                                     |  |  |  |  |
| 1  | <u> </u>   | L         |                | ology - 5th Semester                                  |  |  |  |  |
| 1  | 30 December 2024   | Monday    | ITSN-242       | System and Network Administration                     |  |  |  |  |
| 2  | 01 January 2025  | Wednesday | ITAI-365       | Artificial Intelligence                               |  |  |  |  |
| 3  | 03 January 2025  | Friday    | ITDA-243       | Database Administration and Management                |  |  |  |  |
| 4  | 07 January 2025  | Tuesday   | IT IS-329      | Information Security                                  |  |  |  |  |
| 5  | 09 January 2025  | Thursday  | ITPS-304       | Probability and Statistics                            |  |  |  |  |
| BS Information Technology - 6th Semester |  |           |                |   |  |  |  |  |
| 1  | 30 December 2024   | Monday    | ITCS-346       | Cyber Security  |  |  |  |  |
| 2  | 01 January 2025  | Wednesday | ITMA-366       | Mobile Application Development                        |  |  |  |  |
| 3  | 03 January 2025  | Friday    | ITTB-317       | Technical and Business Writing                        |  |  |  |  |
| 4  | 07 January 2025  | Tuesday   | ITII-345       | IT Infrastructure                                     |  |  |  |  |
| 5  | 09 January 2025  | Thursday  | ITSS-367       | Social Service  |  |  |  |  |
| 6  | 13 January 2025  | Monday    | ITWT-346       | Web Technologies                                      |  |  |  |  |
|  | 20   |           |                |   |  |  |  |  |
| 1  | BS Information Technology - 7th Semester  1 30 December 2024 Monday ITOR-468 Operations Research |           |                |   |  |  |  |  |
| 2  | 01 January 2025  | Wednesday | ITVS-447       | Virtual Systems & Services                            |  |  |  |  |
| 3  | 03 January 2025  | Friday    | ITTE-469       | Technical Entrepreneurship                            |  |  |  |  |
| 4  | 07 January 2025  | Tuesday   | ITIO-470       | Internet of Things                                    |  |  |  |  |
| 4  | or January 2020  | iucsuay   | 1110-470       | interrior or rinings                                  |  |  |  |  |