OUR DATA FINAL GENERATION RESULT


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GENERATIONS= 9
len of schedules:  20

+----------+---------+-------------+----------------------------------------------------------------------------------------------------+
| schedule # | fitness | # of conflict |                                                                                                  |
+----------+---------+-------------+----------------------------------------------------------------------------------------------------+
|     0    |   1.0   |      0      |            381 28 Object Oriented Programming Ejaz Ahmed,309 7 Object Oriented Programming He      |
|     1    |   1.0   |      0      |            306 28 Object Oriented Programming Sanaa Ilyas,303 7 Object Oriented Programming Asif Na |
|     2    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|     3    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|     4    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|     5    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|     6    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|     7    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|     8    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|     9    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|    10    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|    11    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|    12    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|    13    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|    14    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|    15    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|    16    |  0.125  |      7      | 300 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qas |
|    17    |  0.002  |     461     | 300 28 Object Oriented Programming Muhammad Usman,307 7 Object Oriented Programming Sanaa Ilyas,3   |
|    18    |  0.002  |     464     | 300 28 Object Oriented Programming Usman Ashraf,302 7 Object Oriented Programming Ejaz Ahmed,308    |
|    19    |  0.002  |     567     | 309 28 Object Oriented Programming Adnan Tariq,309 7 Object Oriented Programming Javeria Iet        |
|    20    |  0.002  |     582     | 310 28 Object Oriented Programming Mehwish Hassan,303 7 Object Oriented Programming Umair Ars       |
+----------+---------+-------------+----------------------------------------------------------------------------------------------------+
                                               ✓ 58s   completed at 9:42 PM
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GENERATIONS= 9

len of schedules: 26

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+------------+---------+-------------+------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------+
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| schedule # | fitness | # of conflict |
Classes
|

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+------------+---------+-------------+------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------+
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| 0 | 1.0 | 0 | 301 28 Object Oriented Programming Ejaz Ahmed,309 7 Object Oriented Programming Hamda Khan,310 28 Digital Logic Design Arshad Islam,306 7 Digital Logic Design Usman Rashid,308 28 Discrete Structures Ejaz Ahmed,306 27 Discrete Structures Naveed Ahmad,303 28 Intro to Software Engineering Mehboobullah,306 7 Intro to Software Engineering Kashif Munir,303 28 Programming Fundamentals Usman Ashraf,303 7 Programming Fundamentals Shams Farooq,309 28 Database Systems Kashif Munir,302 17 Database Systems Shams Farooq,306 28 Operating Systems Asif Naeem,307 17 Operating Systems Ameen Chilwan,307 28 Design & Analysis of Algorithms Waqas Munir,308 17 Design & Analysis of Algorithms Shafaq Riaz,308 20 Digital Forensics Asma Nisa,308 20 Computer Networks Rohail Gulbaz,307 28 Software Engineering Hamda Khan,309 12 Software Engineering Sehrish Hassan,302 28 Computer Organization and Assembly Language Tayyab Nadeem,307 12 Computer Organization and Assembly Language Asma Nisa,308 20 Programming for AI Hamda

Khan,310 20 Big Data Analytics Kifayat Ullah,301 20 Data Structures Zeeshan Qaiser,310 28 Differential Equations Bilal Khalid,310 12 Differential Equations Usman Ashraf,305 28 Pakistan Studies Shafaq Riaz,310 12 Pakistan Studies Waseem Shahzad,309 28 Marketing Management Hammad Majeed,301 12 Marketing Management Asif Naeem,306 28 Islamic and Religious Studies Khadija Farooq,309 12 Islamic and Religious Studies Waqas Munir,305 28 Communication & Presentation Skills Faisal Cheema,301 12 Communication & Presentation Skills Gul e Aisha,302 28 Psychology Shafaq Riaz,305 12 Psychology Tayyab Nadeem,309 28 Probability and Statistics Shehreyar Rashid,308 12 Probability and Statistics Hassan Mustafa, |

| 1 | 1.0 | 0 | 306 28 Object Oriented Programming Sanaa Ilyas,303 7 Object Oriented Programming Asif Naeem,303 28 Digital Logic Design Farah Naz,304 7 Digital Logic Design Ayesha Bano,301 28 Discrete Structures Shams Farooq,305 27 Discrete Structures Noor ul Ain,309 28 Intro to Software Engineering Naveed Ahmad,308 7 Intro to Software Engineering Farah Naz,310 28 Programming Fundamentals Asma Nisa,307 7 Programming Fundamentals Aqeel Shahzad,303 28 Database Systems Muhammad Asim,307 17 Database Systems Sumera Abbas,301 28 Operating Systems Asif Naeem,307 17 Operating Systems Arshad Islam,301 28 Design & Analysis of Algorithms Hassan Mustafa,301 17 Design & Analysis of Algorithms Javaria Imtiaz,306 20 Digital Forensics Shahzad Mehmood,306 20 Computer Networks Maheen Arshad,310 28 Software Engineering Hassan Mustafa,307 12 Software Engineering Farah Jabeen Awan,302 28 Computer Organization and Assembly Language Usman Ashraf,308 12 Computer Organization and Assembly Language Faisal Cheema,310 20 Programming for AI Usman Ashraf,310 20 Big Data Analytics Hassan Mustafa,306 20 Data Structures Asma Nisa,304 28 Differential Equations Umair Arshad,304 12 Differential Equations Arshad Islam,306 28 Pakistan Studies Sehrish Hassan,308 12 Pakistan Studies Mehboobullah,307 28 Marketing Management Arshad Islam,306 12 Marketing Management Khadija Farooq,308 28 Islamic and Religious Studies Zainab Abaid,309 12 Islamic and Religious Studies Tayyaba Zainab,302 28 Communication & Presentation Skills Gul e Aisha,301 12 Communication & Presentation Skills Hamda Khan,307 28 Psychology Ameen Chilwan,302 12 Psychology Sanaa Ilyas,301 28 Probability and Statistics Sumera Abbas,302 12 Probability and Statistics Shahzad Mehmood, |

| 2 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28

Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 3 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 4 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 5 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design

Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 6 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 7 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms

Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 8 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 9 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures

Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 10 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 11 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma

Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 12 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 13 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 14 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal

Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 15 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 16 | 0.125 | 7 | 308 28 Object Oriented Programming Kifayat Ullah,303 7 Object Oriented Programming Muhammad bin Qasim,301 28 Digital Logic Design Shafaq Riaz,305 7 Digital Logic Design Arshad Islam,301 28 Discrete Structures Farah Jabeen Awan,306 27 Discrete Structures Faisal Cheema,310 28 Intro to Software Engineering Farah Jabeen Awan,303 7 Intro to Software Engineering Ayesha Bano,309 28 Programming Fundamentals Tayyab Nadeem,304 7 Programming Fundamentals Shafaq Riaz,304 28 Database Systems Sanaa Ilyas,305 17 Database Systems Sanaa Ilyas,303 28 Operating Systems Hassan Raza,306 17 Operating Systems Bilal Khalid,302 28 Design & Analysis of Algorithms Hasan Mujtaba,305 17 Design & Analysis of Algorithms Hamda Khan,308 20 Digital Forensics Kashif

Munir,303 20 Computer Networks Zeeshan Qaiser,301 28 Software Engineering Noor ul Ain,304 12 Software Engineering Zainab Abaid,305 28 Computer Organization and Assembly Language Javaria Imtiaz,303 12 Computer Organization and Assembly Language Subhan Ullah,307 20 Programming for AI Hammad Majeed,301 20 Big Data Analytics Muhammad Usman,302 20 Data Structures Mehboobullah,306 28 Differential Equations Farah Jabeen Awan,303 12 Differential Equations Farah Jabeen Awan,308 28 Pakistan Studies Ameen Chilwan,309 12 Pakistan Studies Noreen Jamil,309 28 Marketing Management Hamda Khan,309 12 Marketing Management Noor ul Ain,301 28 Islamic and Religious Studies Behjat Zuhaira,308 12 Islamic and Religious Studies Farah Jabeen Awan,307 28 Communication & Presentation Skills Umair Arshad,307 12 Communication & Presentation Skills Asma Nisa,307 28 Psychology Hamda Khan,308 12 Psychology Bilal Khalid,307 28 Probability and Statistics Waseem Shahzad,302 12 Probability and Statistics Shafaq Riaz, |

| 17 | 0.002 | 461 | 308 28 Object Oriented Programming Muhammad Usman,307 7 Object Oriented Programming Sanaa Ilyas,304 28 Digital Logic Design Noor ul Ain,301 7 Digital Logic Design Kashif Munir,309 28 Discrete Structures Hasan Mujtaba,304 27 Discrete Structures Subhan Ullah,302 28 Intro to Software Engineering Ejaz Ahmed,304 7 Intro to Software Engineering Tayyaba Zainab,307 28 Programming Fundamentals Subhan Ullah,305 7 Programming Fundamentals Shoaib Mehboob,304 28 Database Systems Khadija Farooq,309 17 Database Systems Shafaq Riaz,309 28 Operating Systems Zainab Abaid,303 17 Operating Systems Shehreyar Rashid,304 28 Design & Analysis of Algorithms Ayesha Bano,302 17 Design & Analysis of Algorithms Sehrish Hassan,306 20 Digital Forensics Rohail Gulbaz,310 20 Computer Networks Naveed Ahmad,304 28 Software Engineering Zainab Abaid,306 12 Software Engineering Sehrish Hassan,307 28 Computer Organization and Assembly Language Hassan Raza,303 12 Computer Organization and Assembly Language Sehrish Hassan,301 20 Programming for AI Hasan Mujtaba,309 20 Big Data Analytics Kashif Munir,303 20 Data Structures Shoaib Mehboob,302 28 Differential Equations Muhammad bin Qasim,302 12 Differential Equations Noor ul Ain,306 28 Pakistan Studies Gul e Aisha,310 12 Pakistan Studies Adnan Tariq,306 28 Marketing Management Ameen Chilwan,309 12 Marketing Management Waseem Shahzad,310 28 Islamic and Religious Studies Kifayat Ullah,302 12 Islamic and Religious Studies Javaria Imtiaz,303 28 Communication & Presentation Skills Usman Ashraf,309 12 Communication & Presentation Skills Ejaz Ahmed,305 28 Psychology Ameen Chilwan,306 12 Psychology Asma Nisa,305 28 Probability and Statistics Muhammad bin Qasim,301 12 Probability and Statistics Kifayat Ullah, |

| 18 | 0.002 | 464 | 308 28 Object Oriented Programming Usman Ashraf,302 7 Object Oriented Programming Ejaz Ahmed,308 28 Digital Logic Design Zainab Abaid,303 7 Digital Logic Design Subhan Ullah,301 28 Discrete Structures Rohail Gulbaz,306 27 Discrete Structures Noor ul Ain,302 28 Intro to Software Engineering Maimoona Rassol,305 7 Intro to Software Engineering Kashif Munir,309 28 Programming Fundamentals Kifayat Ullah,305 7 Programming Fundamentals Javaria Imtiaz,302 28 Database Systems Subhan Ullah,309 17 Database Systems Usman Ashraf,307 28 Operating Systems Arshad Islam,307 17 Operating Systems Ameen Chilwan,303 28 Design & Analysis of Algorithms Zeeshan Qaiser,309 17 Design & Analysis of Algorithms Shafaq Riaz,306 20 Digital Forensics Zohaib Iqbal,306 20 Computer Networks Sajid Khan,306 28 Software Engineering Farah Naz,310 12 Software Engineering Maimoona Rassol,308 28 Computer Organization and Assembly Language Muhammad bin Qasim,304 12 Computer Organization and Assembly Language Kashif Munir,302 20 Programming for AI Waseem Shahzad,302 20 Big Data Analytics Naveed Ahmad,302 20 Data Structures Irum Inayat,310 28 Differential Equations Muhammad Asim,304 12 Differential Equations Zainab Moin,304 28 Pakistan

Studies Kifayat Ullah,307 12 Pakistan Studies Ayesha Bano,308 28 Marketing Management Muhammad Usman,310 12 Marketing Management Waseem Shahzad,303 28 Islamic and Religious Studies Maimoona Rassol,306 12 Islamic and Religious Studies Javaria Imtiaz,303 28 Communication & Presentation Skills Arshad Islam,310 12 Communication & Presentation Skills Arshad Islam,306 28 Psychology Shehreyar Rashid,310 12 Psychology Shams Farooq,310 28 Probability and Statistics Zainab Moin,301 12 Probability and Statistics Shahzad Mehmood, |

| 19 | 0.002 | 567 | 309 28 Object Oriented Programming Adnan Tariq,309 7 Object Oriented Programming Javaria Imtiaz,303 28 Digital Logic Design Sara Aziz,308 7 Digital Logic Design Farwa Batool,301 28 Discrete Structures Naveed Ahmad,302 27 Discrete Structures Ejaz Ahmed,308 28 Intro to Software Engineering Sumera Abbas,307 7 Intro to Software Engineering Nagina Safdar,308 28 Programming Fundamentals Muhammad bin Qasim,310 7 Programming Fundamentals Zainab Abaid,302 28 Database Systems Kifayat Ullah,305 17 Database Systems Maimoona Rassol,303 28 Operating Systems Usman Rashid,305 17 Operating Systems Ameen Chilwan,302 28 Design & Analysis of Algorithms Shahzad Mehmood,304 17 Design & Analysis of Algorithms Zainab Moin,308 20 Digital Forensics Faisal Cheema,302 20 Computer Networks Ejaz Ahmed,309 28 Software Engineering Hassan Mustafa,301 12 Software Engineering Kashif Munir,310 28 Computer Organization and Assembly Language Tayyab Nadeem,309 12 Computer Organization and Assembly Language Aqeel Shahzad,310 20 Programming for AI Hasan Mujtaba,302 20 Big Data Analytics Sara Aziz,301 20 Data Structures Kashif Munir,309 28 Differential Equations Shahzad Mehmood,308 12 Differential Equations Hammad Majeed,306 28 Pakistan Studies Maimoona Rassol,303 12 Pakistan Studies Muhammad bin Qasim,304 28 Marketing Management Mehreen Alam,302 12 Marketing Management Subhan Ullah,304 28 Islamic and Religious Studies Maheen Arshad,307 12 Islamic and Religious Studies Hammad Majeed,308 28 Communication & Presentation Skills Asif Naeem,306 12 Communication & Presentation Skills Irum Inayat,305 28 Psychology Sajid Khan,306 12 Psychology Sara Aziz,304 28 Probability and Statistics Zainab Abaid,306 12 Probability and Statistics Gul e Aisha, |

| 20 | 0.002 | 582 | 310 28 Object Oriented Programming Mehwish Hassan,303 7 Object Oriented Programming Umair Arshad,304 28 Digital Logic Design Tayyaba Zainab,303 7 Digital Logic Design Hassan Raza,310 28 Discrete Structures Hassan Mustafa,307 27 Discrete Structures Kifayat Ullah,306 28 Intro to Software Engineering Ejaz Ahmed,307 7 Intro to Software Engineering Mehreen Alam,309 28 Programming Fundamentals Sajid Khan,307 7 Programming Fundamentals Nagina Safdar,306 28 Database Systems Hassan Mustafa,301 17 Database Systems Behjat Zuhaira,309 28 Operating Systems Muhammad Usman,305 17 Operating Systems Sumera Abbas,302 28 Design & Analysis of Algorithms Umair Arshad,306 17 Design & Analysis of Algorithms Sumera Abbas,304 20 Digital Forensics Sehrish Hassan,308 20 Computer Networks Zeeshan Qaiser,304 28 Software Engineering Hamda Khan,308 12 Software Engineering Tayyaba Zainab,304 28 Computer Organization and Assembly Language Farah Jabeen Awan,306 12 Computer Organization and Assembly Language Naveed Ahmad,308 20 Programming for AI Kashif Munir,306 20 Big Data Analytics Sajid Khan,305 20 Data Structures Hamda Khan,302 28 Differential Equations Zainab Moin,309 12 Differential Equations Asma Nisa,303 28 Pakistan Studies Hassan Mustafa,309 12 Pakistan Studies Usman Ashraf,302 28 Marketing Management Hammad Majeed,302 12 Marketing Management Aqeel Shahzad,303 28 Islamic and Religious Studies Shafaq Riaz,309 12 Islamic and Religious Studies Asma Nisa,308 28 Communication & Presentation Skills Sadia Nauman,301 12 Communication & Presentation Skills Waseem Shahzad,307

28 Psychology Sajid Khan,305 12 Psychology Shahzad Mehmood,306 28 Probability and Statistics Ayesha Bano,303 12 Probability and Statistics Muhammad bin Qasim, |

| 21 | 0.002 | 585 | 304 28 Object Oriented Programming Usman Ashraf,303 7 Object Oriented Programming Hassan Mustafa,308 28 Digital Logic Design Kashif Munir,307 7 Digital Logic Design Maimoona Rassol,307 28 Discrete Structures Mehwish Hassan,305 27 Discrete Structures Shafaq Riaz,301 28 Intro to Software Engineering Waqas Munir,306 7 Intro to Software Engineering Sara Aziz,303 28 Programming Fundamentals Sumera Abbas,310 7 Programming Fundamentals Amna Irum,301 28 Database Systems Waseem Shahzad,306 17 Database Systems Amna Irum,306 28 Operating Systems Tayyab Nadeem,301 17 Operating Systems Nagina Safdar,309 28 Design & Analysis of Algorithms Javaria Imtiaz,303 17 Design & Analysis of Algorithms Behjat Zuhaira,306 20 Digital Forensics Gul e Aisha,301 20 Computer Networks Farah Naz,302 28 Software Engineering Subhan Ullah,301 12 Software Engineering Naveed Ahmad,304 28 Computer Organization and Assembly Language Farah Naz,310 12 Computer Organization and Assembly Language Shams Farooq,307 20 Programming for AI Hasan Mujtaba,304 20 Big Data Analytics Maheen Arshad,307 20 Data Structures Behjat Zuhaira,308 28 Differential Equations Zeeshan Qaiser,308 12 Differential Equations Sajid Khan,308 28 Pakistan Studies Gul e Aisha,304 12 Pakistan Studies Noor ul Ain,304 28 Marketing Management Sehrish Hassan,301 12 Marketing Management Hassan Mustafa,309 28 Islamic and Religious Studies Shams Farooq,307 12 Islamic and Religious Studies Sidra Khalid,308 28 Communication & Presentation Skills Javaria Imtiaz,310 12 Communication & Presentation Skills Noor ul Ain,307 28 Psychology Zainab Abaid,308 12 Psychology Usman Ashraf,307 28 Probability and Statistics Farwa Batool,301 12 Probability and Statistics Sanaa Ilyas, |

| 22 | 0.002 | 625 | 307 28 Object Oriented Programming Shoaib Mehboob,310 7 Object Oriented Programming Hassan Mustafa,306 28 Digital Logic Design Zohaib Iqbal,309 7 Digital Logic Design Khadija Farooq,304 28 Discrete Structures Maheen Arshad,308 27 Discrete Structures Nagina Safdar,305 28 Intro to Software Engineering Muhammad Usman,302 7 Intro to Software Engineering Umair Arshad,309 28 Programming Fundamentals Hassan Mustafa,308 7 Programming Fundamentals Subhan Ullah,304 28 Database Systems Bilal Khalid,306 17 Database Systems Gul e Aisha,302 28 Operating Systems Adnan Tariq,303 17 Operating Systems Hasan Mujtaba,307 28 Design & Analysis of Algorithms Irum Inayat,302 17 Design & Analysis of Algorithms Hammad Majeed,305 20 Digital Forensics Ejaz Ahmed,305 20 Computer Networks Shahzad Mehmood,303 28 Software Engineering Tayyaba Zainab,306 12 Software Engineering Naveed Ahmad,309 28 Computer Organization and Assembly Language Adnan Tariq,306 12 Computer Organization and Assembly Language Usman Ashraf,307 20 Programming for AI Hassan Mustafa,306 20 Big Data Analytics Ayesha Bano,302 20 Data Structures Maimoona Rassol,306 28 Differential Equations Behjat Zuhaira,303 12 Differential Equations Kashif Munir,308 28 Pakistan Studies Rohail Gulbaz,304 12 Pakistan Studies Ejaz Ahmed,301 28 Marketing Management Mehreen Alam,310 12 Marketing Management Ejaz Ahmed,305 28 Islamic and Religious Studies Maheen Arshad,307 12 Islamic and Religious Studies Maheen Arshad,309 28 Communication & Presentation Skills Zainab Abaid,310 12 Communication & Presentation Skills Ayesha Bano,302 28 Psychology Maimoona Rassol,301 12 Psychology Hassan Mustafa,307 28 Probability and Statistics Amna Irum,309 12 Probability and Statistics Usman Rashid, |

| 23 | 0.001 | 810 | 305 28 Object Oriented Programming Kifayat Ullah,302 7 Object Oriented Programming Gul e Aisha,308 28 Digital Logic Design Ejaz Ahmed,303 7 Digital Logic Design Farah Naz,302 28 Discrete Structures Farah Jabeen Awan,308 27 Discrete Structures Rohail Gulbaz,302

28 Intro to Software Engineering Mehwish Hassan,304 7 Intro to Software Engineering Zeeshan Qaiser,306 28 Programming Fundamentals Shehreyar Rashid,305 7 Programming Fundamentals Usman Ashraf,302 28 Database Systems Naveed Ahmad,304 17 Database Systems Hassan Mustafa,309 28 Operating Systems Maimoona Rassol,301 17 Operating Systems Muhammad bin Qasim,310 28 Design & Analysis of Algorithms Hassan Mustafa,303 17 Design & Analysis of Algorithms Kifayat Ullah,304 20 Digital Forensics Hammad Majeed,305 20 Computer Networks Hamda Khan,309 28 Software Engineering Usman Rashid,302 12 Software Engineering Shahzad Mehmood,309 28 Computer Organization and Assembly Language Tayyaba Zainab,307 12 Computer Organization and Assembly Language Hassan Raza,309 20 Programming for AI Sidra Khalid,309 20 Big Data Analytics Bilal Khalid,306 20 Data Structures Muhammad bin Qasim,305 28 Differential Equations Hassan Mustafa,302 12 Differential Equations Hassan Mustafa,309 28 Pakistan Studies Zainab Abaid,301 12 Pakistan Studies Ayesha Bano,306 28 Marketing Management Faisal Cheema,304 12 Marketing Management Ejaz Ahmed,309 28 Islamic and Religious Studies Bilal Khalid,302 12 Islamic and Religious Studies Hassan Mustafa,309 28 Communication & Presentation Skills Faisal Cheema,302 12 Communication & Presentation Skills Mehboobullah,308 28 Psychology Aqeel Shahzad,309 12 Psychology Farwa Batool,307 28 Probability and Statistics Amna Irum,304 12 Probability and Statistics Irum Inayat, |

| 24 | 0.001 | 1082 | 302 28 Object Oriented Programming Asif Naeem,304 7 Object Oriented Programming Sumera Abbas,310 28 Digital Logic Design Noreen Jamil,302 7 Digital Logic Design Sara Aziz,302 28 Discrete Structures Faisal Cheema,304 27 Discrete Structures Tayyaba Zainab,305 28 Intro to Software Engineering Zeeshan Qaiser,303 7 Intro to Software Engineering Zohaib Iqbal,302 28 Programming Fundamentals Adnan Tariq,302 7 Programming Fundamentals Muhammad bin Qasim,309 28 Database Systems Ameen Chilwan,301 17 Database Systems Maheen Arshad,309 28 Operating Systems Noor ul Ain,303 17 Operating Systems Hassan Raza,304 28 Design & Analysis of Algorithms Kashif Munir,301 17 Design & Analysis of Algorithms Shoaib Mehboob,302 20 Digital Forensics Maimoona Rassol,308 20 Computer Networks Umair Arshad,306 28 Software Engineering Rohail Gulbaz,309 12 Software Engineering Noor ul Ain,307 28 Computer Organization and Assembly Language Ayesha Bano,304 12 Computer Organization and Assembly Language Shehreyar Rashid,306 20 Programming for AI Mehboobullah,307 20 Big Data Analytics Sara Aziz,305 20 Data Structures Muhammad Asim,306 28 Differential Equations Ejaz Ahmed,302 12 Differential Equations Subhan Ullah,301 28 Pakistan Studies Muhammad bin Qasim,307 12 Pakistan Studies Kifayat Ullah,302 28 Marketing Management Asma Nisa,310 12 Marketing Management Asma Nisa,309 28 Islamic and Religious Studies Shahzad Mehmood,302 12 Islamic and Religious Studies Shafaq Riaz,303 28 Communication & Presentation Skills Farah Naz,304 12 Communication & Presentation Skills Hamda Khan,307 28 Psychology Farah Naz,308 12 Psychology Gul e Aisha,308 28 Probability and Statistics Hassan Mustafa,310 12 Probability and Statistics Gul e Aisha, |

| 25 | 0.001 | 1263 | 309 28 Object Oriented Programming Ayesha Bano,305 7 Object Oriented Programming Tayyaba Zainab,305 28 Digital Logic Design Sidra Khalid,308 7 Digital Logic Design Muhammad bin Qasim,305 28 Discrete Structures Ameen Chilwan,306 27 Discrete Structures Waseem Shahzad,305 28 Intro to Software Engineering Sanaa Ilyas,309 7 Intro to Software Engineering Aqeel Shahzad,306 28 Programming Fundamentals Arshad Islam,305 7 Programming Fundamentals Shahzad Mehmood,307 28 Database Systems Muhammad bin Qasim,301 17 Database Systems Mehreen Alam,302 28 Operating Systems Subhan Ullah,306 17 Operating Systems Bilal Khalid,307 28 Design & Analysis of Algorithms Usman Ashraf,306 17 Design & Analysis of Algorithms Noor ul Ain,301 20 Digital

Forensics Hamda Khan,309 20 Computer Networks Sadia Nauman,308 28 Software Engineering Hamda Khan,306 12 Software Engineering Subhan Ullah,302 28 Computer Organization and Assembly Language Ejaz Ahmed,307 12 Computer Organization and Assembly Language Muhammad bin Qasim,301 20 Programming for AI Sanaa Ilyas,308 20 Big Data Analytics Farah Jabeen Awan,309 20 Data Structures Shams Farooq,301 28 Differential Equations Ayesha Bano,302 12 Differential Equations Sehrish Hassan,301 28 Pakistan Studies Ameen Chilwan,308 12 Pakistan Studies Hammad Majeed,304 28 Marketing Management Waseem Shahzad,306 12 Marketing Management Amna Irum,301 28 Islamic and Religious Studies Shoaib Mehboob,304 12 Islamic and Religious Studies Kashif Munir,302 28 Communication & Presentation Skills Sehrish Hassan,302 12 Communication & Presentation Skills Sidra Khalid,307 28 Psychology Hammad Majeed,302 12 Psychology Sajid Khan,301 28 Probability and Statistics Mehreen Alam,304 12 Probability and Statistics Bilal Khalid, |

Day	Time	Course	Instructor	Room	NoofStudents
Friday	2-5	Computer Networks	Rohail Gulbaz	308	20
Friday	2-5	Object Oriented Programming	Ejaz Ahmed	301	28
Friday	2-5	Object Oriented Programming	Hamda Khan	309	7
Friday	9-12	Digital Logic Design	Arshad Islam	310	28
Friday	9-12	Digital Logic Design	Usman Rashid	306	7
Friday	9-12	Marketing Management	Asif Naeem	301	12
Friday	9-12	Marketing Management	Hammad Majeed	309	28
Friday	9-12	Psychology	Shafaq Riaz	302	28
Friday	9-12	Psychology	Tayyab Nadeem	305	12
Monday	2-5	Database Systems	Kashif Munir	309	28

Day	Time	Course	Instructor	Room	Count
Monday	2-5	Database Systems	Shams Farooq	302	17
Monday	2-5	Differential Equations	Bilal Khalid	310	28
Monday	2-5	Differential Equations	Usman Ashraf	310	12
Monday	2-5	Software Engineering	Hamda Khan	307	28
Monday	2-5	Software Engineering	Sehrish Hassan	309	12
Monday	9-12	Islamic and Religious Studies	Khadija Farooq	306	28
Monday	9-12	Islamic and Religious Studies	Waqas Munir	309	12
Thursday	2-5	Discrete Structures	Ejaz Ahmed	308	28
Thursday	2-5	Discrete Structures	Naveed Ahmad	306	27
Thursday	2-5	Programming for AI	Hamda Khan	308	20
Thursday	9-12	Computer Organization and Assembly Language	Asma Nisa	307	12
Thursday	9-12	Computer Organization and Assembly Language	Tayyab Nadeem	302	28
Thursday	9-12	Data Structures	Zeeshan Qaiser	301	20
Thursday	9-12	Design & Analysis of Algorithms	Shafaq Riaz	308	17
Thursday	9-12	Design & Analysis of Algorithms	Waqas Munir	307	28
Tuesday	2-5	Communication & Presentation Skills	Faisal Cheema	305	28
Tuesday	2-5	Communication & Presentation Skills	Gul e Aisha	301	12
Tuesday	2-5	Intro to Software Engineering	Kashif Munir	306	7
Tuesday	2-5	Intro to Software Engineering	Mehboobullah	303	28
Tuesday	9-12	Digital Forensics	Asma Nisa	308	20
Tuesday	9-12	Operating Systems	Ameen Chilwan	307	17
Tuesday	9-12	Operating Systems	Asif Naeem	306	28
Tuesday	9-12	Pakistan Studies	Shafaq Riaz	305	28
Tuesday	9-12	Pakistan Studies	Waseem Shahzad	310	12
Wednesday	12-3	Probability and Statistics	Hassan Mustafa	308	12
Wednesday	12-3	Probability and Statistics	Shehreyar Rashid	309	28
Wednesday	2-5	Big Data Analytics	Kifayat Ullah	310	20
Wednesday	2-5	Programming Fundamentals	Shams Farooq	303	7

Day	Time	Course	Instructor	Room	NoofStudents
Wednesday	2-5	Programming Fundamentals	Usman Ashraf	303	28

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Day	Time	Course	Instructor	Room	NoofStudents
Friday	2-5	Computer Networks	Rohail Gulbaz	308	20
Friday	2-5	Object Oriented Programming	Ejaz Ahmed	301	28
Friday	2-5	Object Oriented Programming	Hamda Khan	309	7
Friday	9-12	Digital Logic Design	Arshad Islam	310	28
Friday	9-12	Digital Logic Design	Usman Rashid	306	7
Friday	9-12	Marketing Management	Asif Naeem	301	12
Friday	9-12	Marketing Management	Hammad Majeed	309	28
Friday	9-12	Psychology	Shafaq Riaz	302	28
Friday	9-12	Psychology	Tayyab Nadeem	305	12
Monday	2-5	Database Systems	Kashif Munir	309	28
Monday	2-5	Database Systems	Shams Farooq	302	17
Monday	2-5	Differential Equations	Bilal Khalid	310	28
Monday	2-5	Differential Equations	Usman Ashraf	310	12
Monday	2-5	Software Engineering	Hamda Khan	307	28
Monday	2-5	Software Engineering	Sehrish Hassan	309	12
Monday	9-12	Islamic and Religious Studies	Khadija Farooq	306	28
Monday	9-12	Islamic and Religious Studies	Waqas Munir	309	12
Thursday	2-5	Discrete Structures	Ejaz Ahmed	308	28
Thursday	2-5	Discrete Structures	Naveed Ahmad	306	27
Thursday	2-5	Programming for AI	Hamda Khan	308	20
Thursday	9-12	Computer Organization and Assembly Language	Asma Nisa	307	12
Thursday	9-12	Computer Organization and Assembly Language	Tayyab Nadeem	302	28
Thursday	9-12	Data Structures	Zeeshan Qaiser	301	20

Day	Time	Course	Instructor	Room	Count
Thursday	9-12	Design & Analysis of Algorithms	Shafaq Riaz	308	17
Thursday	9-12	Design & Analysis of Algorithms	Waqas Munir	307	28
Tuesday	2-5	Communication & Presentation Skills	Faisal Cheema	305	28
Tuesday	2-5	Communication & Presentation Skills	Gul e Aisha	301	12
Tuesday	2-5	Intro to Software Engineering	Kashif Munir	306	7
Tuesday	2-5	Intro to Software Engineering	Mehboobullah	303	28
Tuesday	9-12	Digital Forensics	Asma Nisa	308	20
Tuesday	9-12	Operating Systems	Ameen Chilwan	307	17
Tuesday	9-12	Operating Systems	Asif Naeem	306	28
Tuesday	9-12	Pakistan Studies	Shafaq Riaz	305	28
Tuesday	9-12	Pakistan Studies	Waseem Shahzad	310	12
Wednesday	12-3	Probability and Statistics	Hassan Mustafa	308	12
Wednesday	12-3	Probability and Statistics	Shehreyar Rashid	309	28
Wednesday	2-5	Big Data Analytics	Kifayat Ullah	310	20
Wednesday	2-5	Programming Fundamentals	Shams Farooq	303	7
Wednesday	2-5	Programming Fundamentals	Usman Ashraf	303	28

PROVIDED DATA FINAL GENERATION RESULT

GENERATIONS= 44
len of schedules: 26

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| schedule # | fitness | # of conflict |
Classes
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| 0 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer

Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |
| 1 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |
| 2 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data

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| 3 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa,　　　　　|

| 4 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum

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| 5 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |

| 6 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |

| 7 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |

| 8 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |

| 9 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 |

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| 10 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |
| 11 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software

Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |

| 12 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |

| 13 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306

28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |
| 14 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |
| 15 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen

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| 16 | 0.032 | 30 | 302 28 Object Oriented Programming Shafaq Riaz,310 2 Object Oriented Programming Behjat Zuhaira,308 28 Digital Logic Design Nagina Safdar,308 1 Digital Logic Design Asif Naeem,307 28 Discrete Structures Maheen Arshad,303 24 Discrete Structures Subhan Ullah,304 25 Intro to Software Engineering Usman Ashraf,304 28 Programming Fundamentals Mehboobullah,306 1 Programming Fundamentals Sanaa Ilyas,309 23 Database Systems Zohaib Iqbal,306 25 Operating Systems Farah Naz,302 28 Design & Analysis of Algorithms Sanaa Ilyas,305 27 Digital Forensics Mehboobullah,309 28 Computer Networks Mehboobullah,301 12 Computer Networks Shehreyar Rashid,308 28 Software Engineering Ejaz Ahmed,304 26 Software Engineering Zohaib Iqbal,305 28 Computer Organization and Assembly Language Amna Irum,307 28 Computer Organization and Assembly Language Usman Rashid,302 3 Computer Organization and Assembly Language Hassan Raza,309 28 Programming for AI Hassan Mustafa,305 18 Programming for AI Shafaq Riaz,306 28 Big Data Analytics Ejaz Ahmed,305 8 Big Data Analytics Naveed Ahmad,303 28 Data Structures Tayyaba Zainab,305 8 Data Structures Zainab Abaid,302 28 Differential Equations Shoaib Mehboob,303 8 Differential Equations Shafaq Riaz,301 28 Pakistan Studies Aqeel Shahzad,309 8 Pakistan Studies Hamda Khan,307 28 Marketing Management Maheen Arshad,305 15 Marketing Management Arshad Islam,304 28 Fundamentals of Management Irum Inayat,309 8 Fundamentals of Management Hassan Raza,301 28 Islamic and Religious Studies Arshad Islam,309 1 Islamic and Religious Studies Farah Naz,310 28 Communication & Presentation Skills Kifayat Ullah,308 27 Psychology Sadia Nauman,302 28 Probability and Statistics Ameen Chilwan,302 8 Probability and Statistics Hassan Mustafa, |

| 17 | 0.012 | 82 | 307 28 Object Oriented Programming Kifayat Ullah,308 2 Object Oriented Programming Bilal Khalid,301 28 Digital Logic Design Ejaz Ahmed,310 1 Digital Logic Design Bilal Khalid,309 28 Discrete Structures Behjat Zuhaira,304 24 Discrete Structures Shahzad Mehmood,301 25 Intro to Software Engineering Tayyab Nadeem,303 28 Programming Fundamentals Usman Rashid,303 1 Programming Fundamentals Waqas Munir,304 23 Database Systems Tayyaba Zainab,301 25 Operating Systems Usman Ashraf,306 28 Design & Analysis of Algorithms Subhan Ullah,307 27 Digital Forensics Maimoona Rassol,302 28 Computer Networks Shafaq Riaz,303 12 Computer Networks Sumera Abbas,304 28 Software Engineering Hasan Mujtaba,306 26 Software Engineering Arshad Islam,303 28 Computer Organization and Assembly Language Kashif Munir,302 28 Computer Organization and Assembly Language Hammad Majeed,309 3 Computer Organization and Assembly Language Sidra Khalid,301 28 Programming for AI Hamda Khan,308 18 Programming for AI Aqeel Shahzad,301 28 Big Data Analytics Hasan Mujtaba,306 8 Big Data Analytics Javaria Imtiaz,306 28 Data Structures Muhammad Asim,309 8 Data Structures Asif Naeem,308 28 Differential Equations Maimoona Rassol,304 8 Differential Equations Umair Arshad,310 28 Pakistan Studies Muhammad bin Qasim,308 8 Pakistan Studies Muhammad bin Qasim,306 28 Marketing Management Farah Naz,303 15 Marketing Management Maheen Arshad,303 28 Fundamentals of Management Sumera Abbas,310 8 Fundamentals of Management Ameen Chilwan,309 28 Islamic and Religious Studies Rohail Gulbaz,308 1 Islamic and Religious Studies Umair Arshad,308 28 Communication & Presentation Skills Maheen Arshad,304 27

Psychology Muhammad Usman,307 28 Probability and Statistics Farwa Batool,301 8 Probability and Statistics Ejaz Ahmed, |

| 18 | 0.007 | 133 | 304 28 Object Oriented Programming Farah Naz,309 2 Object Oriented Programming Zohaib Iqbal,309 28 Digital Logic Design Amna Irum,306 1 Digital Logic Design Irum Inayat,303 28 Discrete Structures Hammad Majeed,301 24 Discrete Structures Hasan Mujtaba,303 25 Intro to Software Engineering Sumera Abbas,304 28 Programming Fundamentals Sadia Nauman,310 1 Programming Fundamentals Nagina Safdar,301 23 Database Systems Usman Ashraf,310 25 Operating Systems Farah Naz,305 28 Design & Analysis of Algorithms Asif Naeem,304 27 Digital Forensics Amna Irum,301 28 Computer Networks Muhammad Asim,301 12 Computer Networks Sajid Khan,309 28 Software Engineering Sehrish Hassan,301 26 Software Engineering Hassan Raza,305 28 Computer Organization and Assembly Language Aqeel Shahzad,305 28 Computer Organization and Assembly Language Farah Jabeen Awan,307 3 Computer Organization and Assembly Language Mehreen Alam,303 28 Programming for AI Zeeshan Qaiser,301 18 Programming for AI Arshad Islam,309 28 Big Data Analytics Amna Irum,308 8 Big Data Analytics Gul e Aisha,301 28 Data Structures Shahzad Mehmood,306 8 Data Structures Muhammad Usman,306 28 Differential Equations Ayesha Bano,303 8 Differential Equations Shams Farooq,303 28 Pakistan Studies Shahzad Mehmood,305 8 Pakistan Studies Khadija Farooq,305 28 Marketing Management Sara Aziz,305 15 Marketing Management Faisal Cheema,310 28 Fundamentals of Management Bilal Khalid,304 8 Fundamentals of Management Faisal Cheema,302 28 Islamic and Religious Studies Hassan Mustafa,304 1 Islamic and Religious Studies Nagina Safdar,309 28 Communication & Presentation Skills Behjat Zuhaira,302 27 Psychology Sumera Abbas,302 28 Probability and Statistics Usman Rashid,301 8 Probability and Statistics Sajid Khan, |

| 19 | 0.007 | 141 | 303 28 Object Oriented Programming Bilal Khalid,308 2 Object Oriented Programming Noor ul Ain,301 28 Digital Logic Design Rohail Gulbaz,305 1 Digital Logic Design Zeeshan Qaiser,305 28 Discrete Structures Muhammad Usman,309 24 Discrete Structures Behjat Zuhaira,310 25 Intro to Software Engineering Mehwish Hassan,301 28 Programming Fundamentals Behjat Zuhaira,309 1 Programming Fundamentals Asma Nisa,308 23 Database Systems Gul e Aisha,305 25 Operating Systems Umair Arshad,308 28 Design & Analysis of Algorithms Sadia Nauman,307 27 Digital Forensics Irum Inayat,301 28 Computer Networks Aqeel Shahzad,301 12 Computer Networks Naveed Ahmad,303 28 Software Engineering Muhammad bin Qasim,306 26 Software Engineering Muhammad bin Qasim,308 28 Computer Organization and Assembly Language Usman Ashraf,309 28 Computer Organization and Assembly Language Sajid Khan,304 3 Computer Organization and Assembly Language Mehwish Hassan,306 28 Programming for AI Zeeshan Qaiser,309 18 Programming for AI Ejaz Ahmed,310 28 Big Data Analytics Mehwish Hassan,301 8 Big Data Analytics Shahzad Mehmood,307 28 Data Structures Khadija Farooq,303 8 Data Structures Sanaa Ilyas,310 28 Differential Equations Kashif Munir,304 8 Differential Equations Naveed Ahmad,309 28 Pakistan Studies Ayesha Bano,301 8 Pakistan Studies Maimoona Rassol,305 28 Marketing Management Sumera Abbas,309 15 Marketing Management Sehrish Hassan,303 28 Fundamentals of Management Asma Nisa,306 8 Fundamentals of Management Zainab Abaid,301 28 Islamic and Religious Studies Muhammad Usman,306 1 Islamic and Religious Studies Waqas Munir,306 28 Communication & Presentation Skills Hassan Mustafa,302 27 Psychology Zainab Moin,307 28 Probability and Statistics Sajid Khan,310 8 Probability and Statistics Usman Rashid, |

20	0.007	150	310 28 Object Oriented Programming Zainab Abaid,308 2 Object Oriented Programming Sumera Abbas,306 28 Digital Logic Design Zainab Abaid,303 1 Digital Logic Design Zainab Abaid,303 28 Discrete Structures Shoaib Mehboob,305 24 Discrete Structures Hassan Raza,301 25 Intro to Software Engineering Muhammad Asim,306 28 Programming Fundamentals Hassan Raza,309 1 Programming Fundamentals Hassan Mustafa,304 23 Database Systems Noor ul Ain,306 25 Operating Systems Hassan Raza,307 28 Design & Analysis of Algorithms Zainab Moin,304 27 Digital Forensics Muhammad Usman,305 28 Computer Networks Hammad Majeed,304 12 Computer Networks Noor ul Ain,306 28 Software Engineering Hamda Khan,308 26 Software Engineering Subhan Ullah,304 28 Computer Organization and Assembly Language Shams Farooq,307 28 Computer Organization and Assembly Language Mehreen Alam,310 3 Computer Organization and Assembly Language Shams Farooq,304 28 Programming for AI Faisal Cheema,303 18 Programming for AI Sidra Khalid,305 28 Big Data Analytics Bilal Khalid,303 8 Big Data Analytics Naveed Ahmad,307 28 Data Structures Ayesha Bano,306 8 Data Structures Farwa Batool,309 28 Differential Equations Shehreyar Rashid,307 8 Differential Equations Sehrish Hassan,301 28 Pakistan Studies Noreen Jamil,301 8 Pakistan Studies Zeeshan Qaiser,306 28 Marketing Management Behjat Zuhaira,303 15 Marketing Management Hassan Mustafa,307 28 Fundamentals of Management Muhammad Usman,301 8 Fundamentals of Management Asma Nisa,306 28 Islamic and Religious Studies Hasan Mujtaba,307 1 Islamic and Religious Studies Hammad Majeed,309 28 Communication & Presentation Skills Shehreyar Rashid,303 27 Psychology Irum Inayat,301 28 Probability and Statistics Ejaz Ahmed,301 8 Probability and Statistics Javaria Imtiaz,
21	0.006	153	306 28 Object Oriented Programming Bilal Khalid,307 2 Object Oriented Programming Aqeel Shahzad,303 28 Digital Logic Design Maheen Arshad,306 1 Digital Logic Design Waseem Shahzad,309 28 Discrete Structures Sajid Khan,308 24 Discrete Structures Muhammad Usman,307 25 Intro to Software Engineering Kifayat Ullah,301 28 Programming Fundamentals Hasan Mujtaba,303 1 Programming Fundamentals Ayesha Bano,305 23 Database Systems Sajid Khan,306 25 Operating Systems Sanaa Ilyas,302 28 Design & Analysis of Algorithms Farah Jabeen Awan,302 27 Digital Forensics Subhan Ullah,302 28 Computer Networks Waqas Munir,309 12 Computer Networks Tayyaba Zainab,310 28 Software Engineering Muhammad bin Qasim,304 26 Software Engineering Zainab Abaid,301 28 Computer Organization and Assembly Language Gul e Aisha,303 28 Computer Organization and Assembly Language Irum Inayat,303 3 Computer Organization and Assembly Language Shehreyar Rashid,304 28 Programming for AI Hasan Mujtaba,310 18 Programming for AI Zohaib Iqbal,310 28 Big Data Analytics Sadia Nauman,304 8 Big Data Analytics Mehwish Hassan,310 28 Data Structures Sajid Khan,306 8 Data Structures Sehrish Hassan,302 28 Differential Equations Sajid Khan,304 8 Differential Equations Mehboobullah,301 28 Pakistan Studies Muhammad Usman,301 8 Pakistan Studies Behjat Zuhaira,303 28 Marketing Management Muhammad Usman,309 15 Marketing Management Sadia Nauman,301 28 Fundamentals of Management Sehrish Hassan,304 8 Fundamentals of Management Behjat Zuhaira,308 28 Islamic and Religious Studies Shahzad Mehmood,306 1 Islamic and Religious Studies Khadija Farooq,307 28 Communication & Presentation Skills Hassan Raza,307 27 Psychology Mehwish Hassan,304 28 Probability and Statistics Subhan Ullah,307 8 Probability and Statistics Hammad Majeed,
22	0.006	154	302 28 Object Oriented Programming Shehreyar Rashid,309 2 Object Oriented Programming Muhammad Usman,309 28 Digital Logic Design Sanaa Ilyas,305 1 Digital Logic Design Shahzad Mehmood,302 28 Discrete Structures Shoaib Mehboob,309 24

Discrete Structures Sajid Khan,304 25 Intro to Software Engineering Hasan Mujtaba,301 28 Programming Fundamentals Shoaib Mehboob,303 1 Programming Fundamentals Adnan Tariq,307 23 Database Systems Shoaib Mehboob,308 25 Operating Systems Mehwish Hassan,305 28 Design & Analysis of Algorithms Amna Irum,306 27 Digital Forensics Bilal Khalid,306 28 Computer Networks Naveed Ahmad,310 12 Computer Networks Hammad Majeed,304 28 Software Engineering Hassan Mustafa,305 26 Software Engineering Sadia Nauman,301 28 Computer Organization and Assembly Language Farwa Batool,301 28 Computer Organization and Assembly Language Waseem Shahzad,304 3 Computer Organization and Assembly Language Sidra Khalid,307 28 Programming for AI Ayesha Bano,301 18 Programming for AI Zohaib Iqbal,308 28 Big Data Analytics Shoaib Mehboob,308 8 Big Data Analytics Nagina Safdar,308 28 Data Structures Zainab Moin,307 8 Data Structures Zainab Abaid,310 28 Differential Equations Waqas Munir,304 8 Differential Equations Tayyaba Zainab,307 28 Pakistan Studies Hassan Raza,305 8 Pakistan Studies Sumera Abbas,310 28 Marketing Management Subhan Ullah,304 15 Marketing Management Umair Arshad,309 28 Fundamentals of Management Ejaz Ahmed,310 8 Fundamentals of Management Hammad Majeed,305 28 Islamic and Religious Studies Noor ul Ain,308 1 Islamic and Religious Studies Maimoona Rassol,302 28 Communication & Presentation Skills Tayyaba Zainab,306 27 Psychology Ayesha Bano,307 28 Probability and Statistics Sehrish Hassan,305 8 Probability and Statistics Shahzad Mehmood, |

| 23 | 0.006 | 159 | 301 28 Object Oriented Programming Amna Irum,306 2 Object Oriented Programming Shahzad Mehmood,309 28 Digital Logic Design Ameen Chilwan,303 1 Digital Logic Design Nagina Safdar,305 28 Discrete Structures Muhammad Asim,302 24 Discrete Structures Behjat Zuhaira,306 25 Intro to Software Engineering Farah Jabeen Awan,308 28 Programming Fundamentals Shahzad Mehmood,301 1 Programming Fundamentals Amna Irum,306 23 Database Systems Javaria Imtiaz,307 25 Operating Systems Arshad Islam,304 28 Design & Analysis of Algorithms Noor ul Ain,307 27 Digital Forensics Sehrish Hassan,302 28 Computer Networks Irum Inayat,307 12 Computer Networks Muhammad bin Qasim,301 28 Software Engineering Bilal Khalid,302 26 Software Engineering Farah Naz,307 28 Computer Organization and Assembly Language Farah Naz,304 28 Computer Organization and Assembly Language Javaria Imtiaz,309 3 Computer Organization and Assembly Language Mehreen Alam,304 28 Programming for AI Sadia Nauman,304 18 Programming for AI Hassan Raza,303 28 Big Data Analytics Sanaa Ilyas,306 8 Big Data Analytics Hassan Raza,305 28 Data Structures Ejaz Ahmed,301 8 Data Structures Arshad Islam,301 28 Differential Equations Ejaz Ahmed,308 8 Differential Equations Ejaz Ahmed,309 28 Pakistan Studies Shahzad Mehmood,308 8 Pakistan Studies Nagina Safdar,303 28 Marketing Management Muhammad Usman,310 15 Marketing Management Asif Naeem,305 28 Fundamentals of Management Usman Rashid,307 8 Fundamentals of Management Asif Naeem,302 28 Islamic and Religious Studies Sadia Nauman,303 1 Islamic and Religious Studies Tayyaba Zainab,309 28 Communication & Presentation Skills Shoaib Mehboob,302 27 Psychology Waqas Munir,301 28 Probability and Statistics Muhammad Asim,306 8 Probability and Statistics Sajid Khan, |

| 24 | 0.006 | 173 | 309 28 Object Oriented Programming Behjat Zuhaira,308 2 Object Oriented Programming Muhammad Usman,301 28 Digital Logic Design Sumera Abbas,307 1 Digital Logic Design Ameen Chilwan,308 28 Discrete Structures Muhammad Asim,304 24 Discrete Structures Khadija Farooq,302 25 Intro to Software Engineering Umair Arshad,305 28 Programming Fundamentals Muhammad Asim,302 1 Programming

Fundamentals Sumera Abbas,310 23 Database Systems Maimoona Rassol,307 25 Operating Systems Maheen Arshad,309 28 Design & Analysis of Algorithms Usman Rashid,309 27 Digital Forensics Noor ul Ain,301 28 Computer Networks Sumera Abbas,304 12 Computer Networks Ameen Chilwan,304 28 Software Engineering Muhammad Usman,305 26 Software Engineering Zainab Moin,308 28 Computer Organization and Assembly Language Adnan Tariq,301 28 Computer Organization and Assembly Language Muhammad Usman,304 3 Computer Organization and Assembly Language Muhammad Asim,305 28 Programming for AI Hassan Raza,305 18 Programming for AI Waqas Munir,301 28 Big Data Analytics Sadia Nauman,305 8 Big Data Analytics Adnan Tariq,304 28 Data Structures Faisal Cheema,304 8 Data Structures Farah Naz,303 28 Differential Equations Hassan Raza,307 8 Differential Equations Shahzad Mehmood,308 28 Pakistan Studies Zainab Abaid,304 8 Pakistan Studies Waqas Munir,307 28 Marketing Management Sehrish Hassan,307 15 Marketing Management Sadia Nauman,301 28 Fundamentals of Management Tayyab Nadeem,307 8 Fundamentals of Management Waseem Shahzad,303 28 Islamic and Religious Studies Naveed Ahmad,302 1 Islamic and Religious Studies Maheen Arshad,304 28 Communication & Presentation Skills Maimoona Rassol,309 27 Psychology Ameen Chilwan,310 28 Probability and Statistics Waqas Munir,304 8 Probability and Statistics Asma Nisa, |

| 25 | 0.004 | 222 | 307 28 Object Oriented Programming Aqeel Shahzad,301 2 Object Oriented Programming Sidra Khalid,301 28 Digital Logic Design Waqas Munir,310 1 Digital Logic Design Muhammad Asim,310 28 Discrete Structures Behjat Zuhaira,309 24 Discrete Structures Shehreyar Rashid,308 25 Intro to Software Engineering Sajid Khan,308 28 Programming Fundamentals Hasan Mujtaba,309 1 Programming Fundamentals Sara Aziz,304 23 Database Systems Amna Irum,308 25 Operating Systems Asif Naeem,308 28 Design & Analysis of Algorithms Shahzad Mehmood,305 27 Digital Forensics Mehreen Alam,305 28 Computer Networks Hassan Mustafa,303 12 Computer Networks Nagina Safdar,301 28 Software Engineering Hamda Khan,306 26 Software Engineering Farah Naz,303 28 Computer Organization and Assembly Language Arshad Islam,302 28 Computer Organization and Assembly Language Bilal Khalid,310 3 Computer Organization and Assembly Language Kashif Munir,303 28 Programming for AI Rohail Gulbaz,302 18 Programming for AI Mehreen Alam,307 28 Big Data Analytics Irum Inayat,301 8 Big Data Analytics Mehboobullah,306 28 Data Structures Farwa Batool,301 8 Data Structures Bilal Khalid,305 28 Differential Equations Mehreen Alam,303 8 Differential Equations Aqeel Shahzad,307 28 Pakistan Studies Asif Naeem,307 8 Pakistan Studies Muhammad bin Qasim,308 28 Marketing Management Mehwish Hassan,308 15 Marketing Management Shafaq Riaz,303 28 Fundamentals of Management Tayyaba Zainab,310 8 Fundamentals of Management Usman Ashraf,305 28 Islamic and Religious Studies Hassan Raza,305 1 Islamic and Religious Studies Tayyaba Zainab,308 28 Communication & Presentation Skills Ayesha Bano,301 27 Psychology Usman Rashid,308 28 Probability and Statistics Maheen Arshad,302 8 Probability and Statistics Umair Arshad,
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Day	Time	Course	Instructor	Room	NoofStudents
Friday	2-5	Data Structures	Tayyaba Zainab	303	28
Friday	2-5	Data Structures	Zainab Abaid	305	8
Friday	2-5	Object Oriented Programming	Behjat Zuhaira	310	2
Friday	2-5	Object Oriented Programming	Shafaq Riaz	302	28
Friday	9-12	Big Data Analytics	Ejaz Ahmed	306	28
Friday	9-12	Big Data Analytics	Naveed Ahmad	305	8
Friday_2	2-5	Programming for AI	Hassan Mustafa	309	28
Friday_2	2-5	Programming for AI	Shafaq Riaz	305	18
Friday_2	9-12	Communication & Presentation Skills	Kifayat Ullah	310	28
Monday	2-5	Fundamentals of Management	Hassan Raza	309	8
Monday	2-5	Fundamentals of Management	Irum Inayat	304	28
Monday	2-5	Probability and Statistics	Ameen Chilwan	302	28
Monday	2-5	Probability and Statistics	Hassan Mustafa	302	8
Monday	9-12	Database Systems	Zohaib Iqbal	309	23
Monday	9-12	Software Engineering	Ejaz Ahmed	308	28
Monday	9-12	Software Engineering	Zohaib Iqbal	304	26
Monday_2	12-3	Psychology	Sadia Nauman	308	27
Monday_2	2-5	Intro to Software Engineering	Usman Ashraf	304	25
Thursday	12-3	Differential Equations	Shafaq Riaz	303	8
Thursday	12-3	Differential Equations	Shoaib Mehboob	302	28
Thursday	2-5	Computer Organization and Assembly Language	Amna Irum	305	28
Thursday	2-5	Computer Organization and Assembly Language	Hassan Raza	302	3
Thursday	2-5	Computer Organization and Assembly Language	Usman Rashid	307	28
Thursday_2	2-5	Programming Fundamentals	Mehboobullah	304	28
Thursday_2	2-5	Programming Fundamentals	Sanaa Ilyas	306	1
Thursday_2	9-12	Discrete Structures	Maheen Arshad	307	28
Thursday_2	9-12	Discrete Structures	Subhan Ullah	303	24
Tuesday	2-5	Computer Networks	Mehboobullah	309	28
Tuesday	2-5	Computer Networks	Shehreyar Rashid	301	12

Day	Time	Course	Teacher	Room	Students
Tuesday	2-5	Digital Logic Design	Asif Naeem	308	1
Tuesday	2-5	Digital Logic Design	Nagina Safdar	308	28
Tuesday	9-12	Operating Systems	Farah Naz	306	25
Tuesday_2	9-12	Islamic and Religious Studies	Arshad Islam	301	28
Tuesday_2	9-12	Islamic and Religious Studies	Farah Naz	309	1
Tuesday_2	9-12	Marketing Management	Arshad Islam	305	15
Tuesday_2	9-12	Marketing Management	Maheen Arshad	307	28
Wednesday_2	2-5	Design & Analysis of Algorithms	Sanaa Ilyas	302	28
Wednesday_2	2-5	Digital Forensics	Mehboobullah	305	27
Wednesday_2	9-12	Pakistan Studies	Aqeel Shahzad	301	28
Wednesday_2	9-12	Pakistan Studies	Hamda Khan	309	8

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Teacher invigilating 2 exams at same time
Zohaib Iqbal Monday 9-12
Teacher invigilating 2 exams at same time
Arshad Islam Tuesday_2 9-12
MG exam not in morning
MG exam not in morning
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Day	Time	Course	Instructor	Room	NoofStudents
Friday	2-5	Data Structures	Tayyaba Zainab	303	28
Friday	2-5	Data Structures	Zainab Abaid	305	8
Friday	2-5	Object Oriented Programming	Behjat Zuhaira	310	2
Friday	2-5	Object Oriented Programming	Shafaq Riaz	302	28
Friday	9-12	Big Data Analytics	Ejaz Ahmed	306	28
Friday	9-12	Big Data Analytics	Naveed Ahmad	305	8
Friday_2	2-5	Programming for AI	Hassan Mustafa	309	28
Friday_2	2-5	Programming for AI	Shafaq Riaz	305	18
Friday_2	9-12	Communication & Presentation Skills	Kifayat Ullah	310	28
Monday	2-5	Fundamentals of Management	Hassan Raza	309	8
Monday	2-5	Fundamentals of Management	Irum Inayat	304	28
Monday	2-5	Probability and Statistics	Ameen Chilwan	302	28
Monday	2-5	Probability and Statistics	Hassan Mustafa	302	8
Monday	9-12	Database Systems	Zohaib Iqbal	309	23
Monday	9-12	Software Engineering	Ejaz Ahmed	308	28
Monday	9-12	Software Engineering	Zohaib Iqbal	304	26
Monday_2	12-3	Psychology	Sadia Nauman	308	27
Monday_2	2-5	Intro to Software Engineering	Usman Ashraf	304	25
Thursday	12-3	Differential Equations	Shafaq Riaz	303	8
Thursday	12-3	Differential Equations	Shoaib Mehboob	302	28
Thursday	2-5	Computer Organization and Assembly Language	Amna Irum	305	28
Thursday	2-5	Computer Organization and Assembly Language	Hassan Raza	302	3
Thursday	2-5	Computer Organization and Assembly Language	Usman Rashid	307	28
Thursday_2	2-5	Programming Fundamentals	Mehboobullah	304	28
Thursday_2	2-5	Programming Fundamentals	Sanaa Ilyas	306	1
Thursday_2	9-12	Discrete Structures	Maheen Arshad	307	28
Thursday_2	9-12	Discrete Structures	Subhan Ullah	303	24
Tuesday	2-5	Computer Networks	Mehboobullah	309	28
Tuesday	2-5	Computer Networks	Shehreyar Rashid	301	12
Tuesday	2-5	Digital Logic Design	Asif Naeem	308	1
Tuesday	2-5	Digital Logic Design	Nagina Safdar	308	28
Tuesday	9-12	Operating Systems	Farah Naz	306	25
Tuesday_2	9-12	Islamic and Religious Studies	Arshad Islam	301	28
Tuesday_2	9-12	Islamic and Religious Studies	Farah Naz	309	1
Tuesday_2	9-12	Marketing Management	Arshad Islam	305	15
Tuesday_2	9-12	Marketing Management	Maheen Arshad	307	28
Wednesday_2	2-5	Design & Analysis of Algorithms	Sanaa Ilyas	302	28
Wednesday_2	2-5	Digital Forensics	Mehboobullah	305	27

| Wednesday_2 | 9-12 | Pakistan Studies | Aqeel Shahzad | 301 | 28 |
| Wednesday_2 | 9-12 | Pakistan Studies | Hamda Khan | 309 | 8 |
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