


| National University of Computer and Emerging Sciences, Lahore Campus | | | | |
|---|-------------------------|---------------------------------------|---------------------|------------------|
|  | Course: | Linear Algebra | Course Code: | MT-1004 |
| | Program: | BS(CS)/ BS(SE)/ BS(DS) | Semester: | Fall 2024 |
| | Submission Date: | To be announced by Instructors | Weight | 2% |
| | Section: | All | Page(s): | 2 |
| Assignment #02 | | | | |

CLO-02: Recognize vector spaces and/or subspaces and develop their bases.

Attempt the following problems from Elementary Linear Algebra by Howard Anton and Chris Rorres (12th Edition)

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| <u>Chapter#3:</u> |
| <u>Exercise: 3.3</u> |
| Q.11 , Q.19, Q.21, Q.27 |
| <u>Exercise: 3.4</u> |
| Q.8, Q.12, Q.16 |
| <u>Exercise: 3.5</u> |
| Q.12, Q.15, Q.17, Q.21 |
| <u>Chapter#4:</u> |
| <u>Exercise: 4.1</u> |
| Q4, Q.7, Q9, Q.11 |
| <u>Exercise: 4.2</u> |
| Q.5(b), Q.11 (b), Q.13(a), and Q.18 |
| <u>Exercise: 4.3</u> |
| Q.4 (a), Q.5 (a), Q.7 (a), Q.8 (a), Q.20 |

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| <u>Exercise: 4.4</u> |
| Q.3 (b), Q.8 (a), Q.9, Q.11, Q.13 (a), Q.16(c) |
| <u>Exercise: 4.5</u> |
| Q.7 (a), Q.12 (a), Q19 (b), Q.21 (a) |
| <u>Exercise: 4.6</u> |
| Q.5, Q.13, Q.17, |