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| 1075717_549909255068252_805887821_n.jpg | | **http://upload.wikimedia.org/wikipedia/commons/9/9c/Inu_peshawar_logo.gifIqra National University, Peshawar**  **Department of Electrical Engineering**  **Mid – Term ExaminationFall 2020**  **Date:4/12/2019** | | | | | | | | | | |
| **Course Code:** | | MTH 203 | |  | | | | **Course Title:** | | Differential equation | | |
| **Prerequisite:** | | CALCULUS | | | | |  | **Instructor:** | | HIMAYATULLAH | | |
| **Module:** | | 3 | **Program:** | | BEE | **Total Marks:** | | | 30 | **Time Allowed:** | 3 hr | |

Note: Attempt all questions.PLO: program learning outcome C:Cognitive

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| Q1. | (a) | . Carry out the particular solution of . | Marks 5 |
| CLO1 C2 |
|  | (b) | Carry out the general solution of | Marks 5 |
| CLO1  C2 |
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| Q2 | (a) | . Carry out the general solution of | Marks 5 |
| CLO1  C2 |
|  | (b) | Carry out the general solution of | Marks 5 |
| CLO1  C2 |
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| Q3 | (a) | … Carry out the general solution of | Marks 5 |
| CLO1  C2 |
|  | (b) | Analyze the orthogonal trajectories. Of . | Marks 5 |
| CLO2  C4 |