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| **Module Name** | **Module 5 | Advanced Machine Learning and Prescriptive Analytics** | | |
| **Module Code** | PGDBA19P220 | | |
| **Date** | 13th Jun 2020 | **Time** | 120 min |
| **Exam Type** | Open Book | **Marks** | 50 |
| **Instructions** | * Section 1 - Answer all the questions. * You may submit a single script indicating the question numbers and well commented answers to each question. * Answers should be brief and to the point. * Data is attached. * Answers to be brief and precise. Zip the documents after the exam and submit through LMS. | | |

**Section 1 50 Marks**

1. Build a Classification model to predict the car condition.
2. Do necessary EDA, Data Cleaning and Feature Engineering.
3. Deploy Grid Search or Randomized Search to optimize model parameters.
4. Which technique you chose and why?
5. How did you optimize the model parameters?
6. Is this a good model? Why or why not?
7. Your overall comments, insights and recommendations.

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