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| Name of educator | **Gaurav Mandloi** |
| Title of Project | **Machine Learning Model for Auto Insurance Industry** |

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|  | Question | Options-provide 4 options  **All of the above and**  **None of the above**  **Strictly not allowed** | Correct answer |
| Q1 | **1. Which of the following metrics is most appropriate for evaluating a model in an imbalanced classification problem, like predicting auto insurance claims?** | A) Accuracy  B) Precision  C) F1-Score  D) Mean Squared Error | **C) F1-Score** |
| Q2 | **2. In the data preprocessing stage, what is the primary reason for handling missing values?** | A) To improve data visualization  B) To ensure the model can interpret all input data  C) To increase the number of features  D) To reduce the dimensionality of the dataset | **B) To ensure the model can interpret all input data** |
| Q3 | **3. Which technique is commonly used to address class imbalance in datasets?** | A) Feature Engineering  B) Data Scaling  C) Oversampling the minority class  D) Removing duplicate records | **C) Oversampling the minority class** |
| Q4 | **4. When deploying a machine learning model on Nimbus, what is the main benefit of using a cloud environment?** | A) Real-time prediction capability  B) Reducing the size of the dataset  C) Improving model interpretability  D) Eliminating the need for preprocessing | **A) Real-time prediction capability** |
| Q5 | **5. Which of the following machine learning algorithms is typically more effective with structured tabular data, such as an insurance dataset with multiple features?** | A) Convolutional Neural Network (CNN)  B) Recurrent Neural Network (RNN)  C) Random Forest  D) Generative Adversarial Network (GAN) | **C) Random Forest** |