**PG Program in Analytics**

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| **Deep Learning - Class Assessment** | **[Time: 3 hrs] [Total Marks: 60 ]** |

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|  | **Perform the following tasks:** | **Marks** |
| Q.1 | Import the cifar10 dataset from ‘keras.datasets’. Perform all the data preprocessing required. | **[20]** |
| Q.2 | Build a CNN architecture with Keras and stack an ANN on top of CNN. | **[20]** |
| Q.3 | Fit and evaluate the model. Plot the training and validation curves. | **[20]** |