**JAIPURIA INSTITUTE OF MANAGEMENT, INDORE**

**PGDM**

**FOURTH TRIMESTER (Batch 2019-21)**

**END TERM EXAMINATION (Improvement), NOV-2020**

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| Course Name | **HR Analytics** | Course Code | **404** |
| Max. Time | **2 hours** | Max. Marks | **40** |

**INSTRUCTIONS:** All questions are compulsory. Any similarity to any internet based content or **similarity to peer group answers would result into getting an ‘F’ grade in the course**. Use the Excel Sheet attached for doing all analysis and providing answers (use text boxes). Submit as per directions from Exams office.

**Question.1. From the dataset provided in Exercise 1, please find the correlation between all relevant variables. Save the output and explain the result. (6 Marks)**

**Question.2 The dataset provided in Exercise 2 is about an IT company. Please forecast employee strength required to handle 854, 793 and 796 projects in MFG, Consulting and Pharma Sector respectively. (6 Marks)**

**Question.3 In Exercise 3, a Transition (Probability) Matrix of Trainee Sales Executives movement requisitions in a FMCG company (for 12 months) is being provided. Please predict the requisitions in the post Covid scenario and take a decision of allowing movements or not. (6 Marks)**

**Question.4. In Exercise 4, a data of 18 months is being provided. Please do a forecasting analysis and predict production values for the next six month. (6 Marks)**

**Question.5. A city restaurant needs your support in its staff scheduling. Please use Linear Programming method (via Solver) and find the optimum scheduling solution. The constraint and conditions are provided in the data-sheet itself. (6 Marks)**

**Question. 6. In the Exercise 6, a dataset of test results of executives is being provided. These tests were conducted during a 3 months training programme. Use an appropriate method/tool and find a cause and effect relationship between test results and training attendance. Provide your rationale also along with the output tables. (10 Marks)**

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