

JAIPURIA INSTITUTE OF MANAGEMENT, NOIDA
PGDM / PGDM (M) / PGDM (SM)

FOURTH TRIMESTER (Batch 2024-26)

END TERM EXAMINATIONS, OCTOBER 2025

SET-1 (*Group - 3*)

Course Name	Business Intelligence for Decision Making_GR3	Course Code	20823
Max. Time	2 hours	Max. Marks	40 MM

INSTRUCTIONS:

- For all questions and for all parts please paste the screenshots of queries and output after solving the questions
- For Q1.- Part – 1 and Q2. – Part – 2 specifically paste the screenshot for each of the steps applied to load the dataset in SQL Server Management Studio
- For Q3. each part must have a separate screenshot after solving the questions.
- For submission each student needs to send a single PDF document which contains all the screenshots along with correct Question number and correct Part number

1. You are the Data Analytics Consultant of ABC limited. You are working for DEF client, which is a major payroll client and has it's rule that no employee can claim cab reimbursement on the day that employee is on leave. Your manager asked you to verify how many fraud cases are there as per the datasets provided and what is the amount of fraud

Part 1: Load the leave data and the claim data to the SQL Server Management Studio. **(Marks: 3)**

Part 2: Construct the desired join result to identify the fraud cases. **(Marks: 6)**

Part 3: Formulate a pivot of the total amount of fraud done for each fraudulent case employee and save it in new table. **(Marks: 4)**

2. You are the Project Management Consultant of NGA limited. You are working for PLO, which is a major strategic client and has it's rule that no employee should be deployed on same date more than once in the whole financial year.

Part 1: Load the Project Deployment Data in the SQL Server Management Studio. **(Marks: 3)**

Part 2: Construct a concatenate of Project Code and Deployment Date and evaluate a pivot of count of concatenated Project Code and Deployment Date in the whole dataset and highlight the cases which are having count greater than 1 and save the result in a new table. **(Marks: 4)**

3. You are the Power BI developer of KUH Ltd. A major staffing company in South Africa , POL Ltd., signed a contract with your organization. The business analytics director of POL wants to perform certain analytical checks for his organization. The director connects with the CFO of KUH Ltd. and provides the necessary data on which the checks will be applied. The director of POL wants to have

an overview that how much effort is required per employee in the whole organization. The CFO of KUH Ltd. wants you to perform the below analytics on Power BI to make the deliverables more precise and presentable. The CFO asks you to perform the following analytics on Power BI :

Make 2 tabs in the name as "Project_Overview" and "Employees_Overview".

Instructions for composing "Project_Overview" tab:

- 1) Design a Text Box with header of the tab. **(Marks : 1)**
- 2) Evaluate the card for unique count of "Project IDs", sum of "Effort for Sales Order Executive", sum of " Effort for Collection Executive" and sum of" Effort for Claims executive" and beautify all the cards. **(Marks: 8)**
- 3) Formulate a stack column chart with total sum of " Effort for Collection Executive" for each Project ID with Project ID on X-Axis and "Effort for Collection Executive" on Y -Axis and beautify it. **(Marks: 4)**
- 4) Conclude all the base data in the form of Raw table at the bottom of the tab. **(Marks: 1)**

Instructions for making "Employees_Overview" tab:

- 1) Design a Text Box with header of the tab. **(Marks: 1)**
- 2) Make a new table as the pivot of total sum of employees per project ID in the "Employees_Data". **(Marks: 4)**
- 3) Conclude all the base data in the form of Raw table at the bottom of the tab. **(Marks: 1)**