Roll No……

GL BAJAJ Institute of Management & Research, PGDM Institute, Greater Noida
FIND YOUR SPARK

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) –201306

POST GRADUATE DIPLOMA IN MANAGEMENT (2023-24)
END TERM EXAMINATION (TERM -III)

Subject Name: **Power BI** Time: **02.00 hrs**
Sub. Code: **PG34** Max Marks: **40**

Note:

1. All questions are to be solved using MS-Power BI on an individual Computers/LAPTOPS.
   - **The first page must contain the following details:**

Date of Exam	
Examination Room No.	
Name	
Admission Number	
Program	
Section	
Course	

   - **Use separate Power BI Page for each question and keep the name of the Page as Question Number**
   - Save the file using your examination hall no.,admission no., full name and section. **For example (202_PGDM23231_Smita_B)** with .pbix extension and submit the soft copies using a PD.
2. During examination, no student is allowed to use mobile phones/Smart watch/Internet in any conditions. Keep your device on airplane mode.
3. Faculty invigilator will share the data file with you.
4. All questions are compulsory. Section A carries 5 marks: 5 questions of 1 mark each, Section B carries 21 marks having 3 questions (with internal choice question in each) of 7 marks each and Section C carries 14 marks one Case Study having 2 questions of 7 marks each.

CO1- Apply fundamental POWER BI skills and tools in problem solving
CO2- Apply Power BI functions to clean, Classify, Validate and Tabulate data as per business requirement
CO3- Model and implement data analysis by using data of different strata to evaluate the Business performance.
CO4- Convert data in the graphical format to evaluate KPIs in business

Refer Data.xlsx file for all questions.

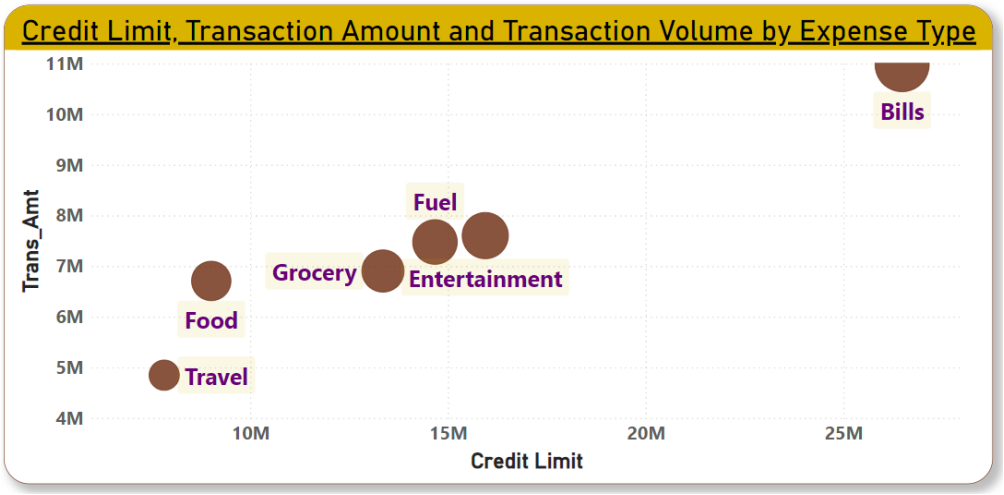
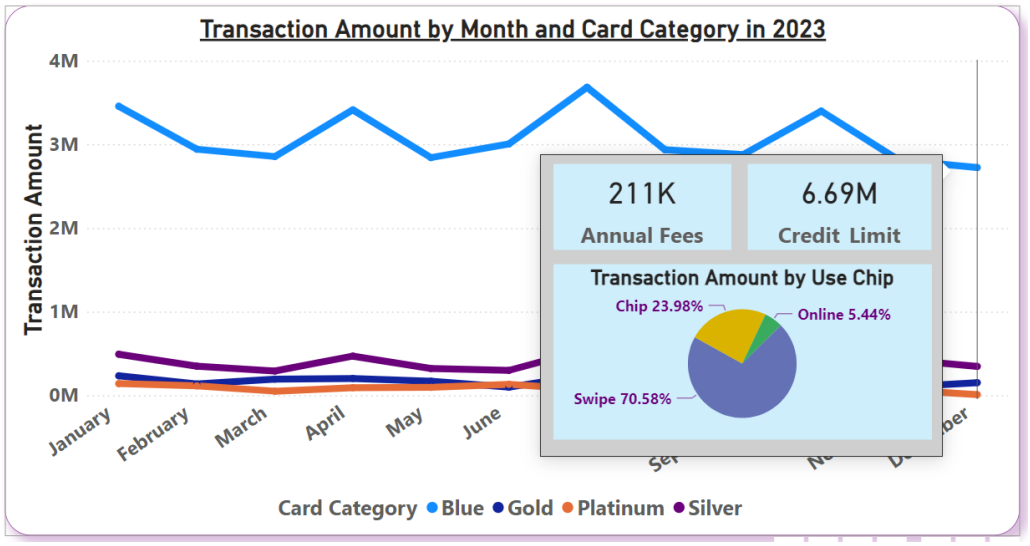
SECTION – A

Refer Credit_Card table in Data.xlsx file. **5 x 1 = 5 Marks**

Questions	CO	Bloom's Level
Q. 1: (A). Create an index for each question on the first page of Power BI with the help of page navigator button, so that when button is clicked, it navigates to the respective question page. **Q. 1: (B).** Create a table for Card_Category and Total_Tans_Amt. **Q. 1: (C).** Apply conditional formatting in the above table. **Q. 1: (D).** Create cards for total Total_Trans_Amt and Interest_Earned. **Q. 1: (E).** Create a tree map for Exp_Type and Total_Trans_Amt.	CO 1	L3

SECTION – B

All questions are compulsory (Each question have an internal choice. Attempt any one (either A or B) from the internal choice). **7 x 3 = 21 Marks**

Questions	CO	Bloom's Level
Q. 2: (A). Refer Credit_Card table in Data.xlsx file. Create a bubble chart as below. Play it on Week_Start_Date.  Copy and paste the above chart on the same page. Further display top three "Exp Type" by "Interest_Earned" on the same chart. **Or** **Q. 2: (B).** Refer Credit_Card table in Data.xlsx file. Create a line chart for Total_Tran_Amt by Week_Start_Date. Drill it down to months. Drop Card_Category into legend. Create a dynamic tooltip showing annual fees, credit limit and transaction amount by use chip, when we hover cursor on line as shown below:  	CO 2	L3
Q. 3: (A). Refer "Customer_Data" table in Data.xlsx file. Group the data by customers' Education Level, and count number of each level occurrence in the data, using power query. Load the query in Power BI with the name "Q3(A)". **Or** **Q. 3: (B).** Refer "Customer_Data" table in Data.xlsx file. In the column "Gender", replace "F" with "Female" and "M" with "Male". Merge two columns "State_cd" and Zipcode" with "-" separator. Load the query in Power BI with the name "Q3(B)".	CO 3	L4 L4

Q. 4: (A). Refer Credit_Card table in Data.xlsx file. Create a measure named "Q4(A)" using CALCULATE function to sum the total transaction amount in the month of March. **Or** **Q. 4: (B).** Refer Credit_Card table in Data.xlsx file. Extract last five digit of Client_Num by using DAX function. Write IFERROR function before the appropriate function. Rename the column "Q4(B)".	CO 3	
SECTION – C		**7×02 = 14 Marks**
Refer table "Financial_Data" in Data.xlsx file.	**CO**	**Bloom's Level**
Q. 5: (A). As a financial manager, create a report (dashboard) by using different visuals and adding controls to visuals to present the financial data to the CFO of Intellipath company. **Q. 5: (B).** The report should include an introduction, a summary of key findings, and a conclusion on separate page of power BI.	CO 4	L5

Kindly fill the total marks allocated to each CO's in the table below:

COs	Marks Allocated	Q. No.
CO1	5	Q1
CO2	**7**	**Q2**
CO3	14	Q3, Q4
CO4	14	Q5

(Please ensure the conformity of the CO wise marks allocation as per your TLEP.)

Blooms Taxonomy Levels given below for your ready reference:

L1= Remembering
L2= Understanding
L3= Apply
L4= Analyze
L5= Evaluate
L6= Create