**JAIPURIA INSTITUTE OF MANAGEMENT, INDORE**

**PGDM**

**FIRST TRIMESTER (Batch 2020-22)**

**Set-B**

**END TERM EXAMINATION, NOV-2020**

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| Course Name | **Data Analysis using Spreadsheets** | Course Code | **IT101** |
| Max. Time | **2 hours** | Max. Marks | **40** |

**INSTRUCTIONS:**

All the questions are compulsory.

Please save the file with Full Name and Section (FirstNameLastname\_Section)

All the questions are based on one file (DataB.xlsx)

**Questions.1**

a) Highlight all the customers who all shop for Variety. **2.5 marks**

b) Find out total number of male customers who are graduate and browsed the product on desktop. **Note: Do not use Filter option 2.5 marks**

c) Sort the data as per the increasing order of the age. **2.5 marks**

d) Calculate the total family income of Post-graduates working in private organization.

 **2.5 marks**

**Questions.2**

Q2 a) Calculate the Dearness Allowance if family income is more than 500000 it will be 5% else it will be 7.5%.

**Note: Create separate column to generate Dearness Allowance. 2.5 marks**

b) As we have to find out how business is doing we have to find out the average family income of Male customers of public organization and compare it with Male customers of private organization and which organization is performing good. **2.5 marks**

c) It is better to take decision on various organizations, for this we need to get graphical representation of dearness allowance amount of various organizations. **(Use Excel File DataB).**

 **2.5 marks**

d) Generate product type as per the marital status, insert the new column at an appropriate location **(Use Excel File DataB). 2.5 marks**

**Questions.3**

a) We have to target customers on the basis of paying capacity which is dependent on the annual family income. On the basis of device usage, the below mentioned products:

 a.) tablet: very sound technical competency

 b.) desktop: poor technical competency

 c.) smartphone: good technical competency

 d.) laptop: moderate technical competency

 **Note: Use appropriate function 2.5 marks**

b) Generate information of family income of customers in various organizations as per the gender and qualification. **2.5 marks**

c) In which organization there are more number of "poor technical competency". **2.5 marks**

d) Calculate some taxes which needs to pay by everyone which is 10% flat of their family income. **2.5 marks**

**Questions.4**

1. Find out gender wise reason of shopping and dearness allowance, give your analysis.  **Note: Analysis needs to be given in the excel sheet 5 marks**

b)Explain graphically the performance of various education background of customers as per their family income**. (Use Pivot Chart) 2.5 marks**

c) Filter out all the Female bachelors of private organization with very sound technical competency. **(Use Filters) 2.5 marks**