COURSE CODE : INT217
COURSE NAME : INTRODUCTION TO DATA MANAGEMENT

Read the following instructions carefully before attempting the question paper.
1. Attempt only the question allocated by neutral examiner out of all the given questions. If some other question is attempted by the candidate, it shall lead to cancellation of the examination.
2. Submit the question paper along with the answer sheet to the invigilator before leaving the examination hall/lab.
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(To be filled by Neutral Ex.........

It is certified that I have verified that the candidate has attempted the allocated question only.

Signature of Neutral Examiner:_____   Signature of Invigilator:_____

Name of Neutral Examiner:_____   Name of Invigilator:_____

UID: _____   UID:_____

Q1
Use "SampleSuperstore" and implement the following:
a) Find the total sales region wise using doughnut chart and apply the necessary formatting.
b) Find the average sales segment wise using bar chart and apply the necessary formatting.
c) Find the minimum of sales category wise using pie chart and apply the necessary formatting.
d) Find the minimum and maximum of quantity subcategory wise using combo chart with necessary formatting.

Q2
Use "international_matches" and create an interactive and attractive dashboard by framing 4 objectives of your choice. Also add hyperlink to your dashboard. Apply all the necessary formatting.

Q3
Use "Employee Sample Data" and implement the following:
a) Find the length of the full name.
b) Find the position number of "A" from 3rd position in every Job Title.
c) Find the position number of "A" irrespective of either it is in capital letter or in small from the 3rd position in every Job Title.
d) Find the 4 left most and 4 right most characters both in different columns from each Business Unit.

Q4
Use "Employee Sample Data" and implement the following:
a) Sort the full name as A-Z, then Job Title as Z-A and Department as A-Z using internal sorting.
b) Find the annual salary of the employees whose department is IT using column chart.
c) Highlight all the names which contain "t" anywhere in the full name.
d) Find the total number of males and females employee using pivot table.

Q5
Use "SampleSuperstore" and implement the following:
a) Find the cost price using sales and profit given in the dataset.
b) If cost price is greater than sales, then display cost price otherwise display sales using if function.
c) Find the average of quantity based on sub-category using area chart.
d) Find the average of discount, ship mode wise using 3D-Line chart and apply the required formatting.

Q6 Use "sampledata" and create an attractive and interactive dashboard to show the following:·
a) Find the units sold item wise using pivot chart of your choice.
b) Find the region wise total using pie chart.
c) Find the item wise total using line chart.
d) Apply the necessary formatting to each chart.

Q7 Use "IPL_Matches_2022" and create an attractive and interactive dashboard by framing 4 objectives of your choice. Also make one sheet on which write all the 4 objectives and from there create a hyperlink to all the sheets of the objectives as well as to the dashboard.

Q8 Use "sampledata" and implement the following:
a) Find the item purchased based on order date using vlookup function with an exact match.
b) Find the total, based on item name using lookup function.
c) Convert all the regions into upper case and all items into lower case.
d) Display 4 characters in item name starting from the 2nd position.

Q9 Use "World95" and create an interactive dashboard to show the following:
a) Find lifeexpf and lifeexpm, country wise using pivot table. Assign proper row and column labels as well.
b) Find the literacy, religion wise using pivot chart of your choice and apply proper formatting to it.
c) Apply the advanced filtering and filter out the data based on "Catholic" religion on a new sheet.

Q10 Use "Employee Sample Data" and implement the following:
a) Sort business unit as Z-A, then Ethnicity as A-Z and age as largest-smallest using internal sorting.
b) Find the annual salary of the employees whose department is Finance using pivot table.
c) Highlight all the business unit which contain "o".
d) Find all the employees whose age is greater than 50 using any visualization.

-- End of Question Paper --