PNR No:: 22232INT12634

COURSE CODE: INT233 COURSE NAME : DATA VISUALIZATION

Read the following instructions carefully before attempting the question paper

 Attempt only the question allocated by neutral examiner out of all the given questions. If some other question is attempted to a standard or a standard question is attempted by the candidate, it shall lead to cancellation of the examination.

3. Fill a	nation hall/lab. all the details mentioned below ver		
Registration No. :		Signature of student:	
Quest (To be	tion No. Allocated to candidate: e filled by Neutral Examiner)		
It is c	ertified that I have verified that	the candidate has attempted the allocated question only.	
Signa	ture of Neutral Examiner:	Signature of Invigilator	
Name of Neutral Examiner		Name of Invigilator:	
UID:		UID:	
to ea a) b)	Which ethnicity has the higher How many males and female stacked bar chart. Which country has the higher	est average annual salary? Find it using a pie chart. est are working in Human Resources department. Find it est annual salary? Find it using satellite map. oard for the above three objectives.	
to ea a) char b) c) are d)	ach worksheet. Which business unit and de t. Find the maximum age for t How many employees are I hired in the year 2005. Find this Create an interactive dasht	poard for the above three objectives.	
word a) b) c) d)	Which item in the central re How many units have been Find the unit cost of n item Create an interactive dash	ment the following. Add title, caption, and color to each egion has the lowest and the highest total using hierarchy. In sold by Gill Rep using waterfall chart. It is using parameter. It is board for the above three objectives.	
	ksheet.		

- Find top 3 countries having highest number of cases of aids using parameter. Show it on the dark map.
- Create a set of Catholic and Muslim religion based on birth rate. Show this set using in/out with different colors for both.
- Find the birth rate and the death rate for Buddhist and Orthodox religion using scatter plot. Use different shapes for different religion from the shape card instead of default shapes.
- Create an interactive dashboard for the above three objectives.

Q5 Use "Employee Sample Data" and implement the following:

Find the length of the full name. a)

b) Find 3 letters from each job title starting from the 2nd position.

Find the 4 left most and 4 right most characters both in different columns from each C) Business Unit.

How many males and females are from Asian Ethnicity. Find this using table

Q6 Use "international_matches" dataset and implement the following. Add title, caption, and color to each worksheet.

Find the away team score for away team continent containing "i" using bubble chart.

b) Find the away team score of the top 5 away teams from Africa continent.

Find the away team score and away team fifa rank for top 10 away team using scatter C) plot. Use different shapes for different teams instead of default shapes.

Create an interactive dashboard for the above three objectives.

Q7 Use "international_matches" and implement the following. Add title, caption, and color to each worksheet.

Find the difference between the home team score and away team score. If the difference is in negative, then display home team score otherwise display away team score.

Find the difference between the home team and away team score for the year 2008 using a line chart.

c) Find how many matches are won and lost by Asia home team continent using table.

d) Create an interactive dashboard for the above three objectives.

Q8 Use "IPL_Matches_2022" and implement the following. Add title, caption, and color to each worksheet.

Find which are the top 3 combinations of team1 and umpire 1 based on margin using the bar chart. Show only top 3 in the visualization.

How many IPL matches are won by Runs and by Wickets by Delhi capitals from Team 1.

Name the players who become player of the match for Kolkata city. c)

Create an interactive dashboard for the above three objectives. d)

Q9 Use "Spotify_Youtube" and implement the following. Add title, caption, and color to each worksheet.

Find which album contributes to the highest percentage of likes and how much. a)

How much is the acousticness provided by the single album type using funnel chart. b)

C) Find which album and album type together got the comments greater than 50,00,000.

Create an interactive dashboard for the above three objectives. d)

Q10 Use "Amazon Sale Report" and implement the following. Add title, caption, and color to each worksheet.

Find which categories contribute to the top 80% of the amount using the pareto chart.

Find the sum of amount for Kurta category using tree map. Also use different colors to represent different categories.

Find how many quantities have XXL size using bubble chart.

Create an interactive dashboard for the above three objectives. d)

- End of Question Paper -.