BUSINESS ANALYTICS
Elective Examination

Time:3 hours   **Total: 100 Marks**

Ques-1	**What is Tableau?**	**2**
a	A Statistical Software	
b	Business Intelligence Software	
c	An Automation Tool	
d	Machine Learning Software	
e	Related to Robotics	

Select the types of data that are accepted and recognised by Tableau?

Ques-2	Select all those applicable	**3**
a	Text (Strings)	
b	Boolean	
c	Social Media Data	
d	Prices	
e	Geographic	

Ques-3	What are the different types of charts that can be created in Tableau? Name at least 5 types (	**5**
Ques-4	What are the different types of data Tableau can handle? Name and explain all types.	**6**
Ques-5	What are Dimensions and Measures in Tableau?	**6**
Ques-6	What are Dashboard ans Stories use for in Tableau?	**6**

Ques-7	Which of these are the Marks Functionality?	**3**
a	Color	
b	Label	
c	Tool Tips	
d	Maps	
e	Charts	

Ques-8	What are the different sources from which Tableau can take in data? Select all applicable.	**3**
a	Excel	
b	SQL	
c	Power Points	
d	Hard bound Registers	
e	Google Analytics	

Ques-9	What are the features of R. Select all applicable?	**3**
a	Programming Environment	
b	Data Analytics tool	
c	Open Source	
d	Paid Tool	
e	Business Intellgence Software	

Ques-10	What is the Integrated Development Environment (IDE) Of R called?	
a	R Bomb	
b	R Café	
c	R Studio	**2**
d	Anaconda	
e	Pycharm	

Ques-11	Name and explain the package used to create graphs on R?	**6**

Ques-12 What symbol will you use if you need any help about a command or syntax in R? **2**
a X
b $
c #
d ?
e @

Ques-13 The 4 R Studio Interface sections are - **2**
a R Script
b Console
c R Plus
d Viewer
e Environment

Ques-14 Explain in detail the different data types that can be input in R with examples? **6**

Ques-15 Which command is used to Install packages in R?
a help()
b install.packages **2**
c getwd()
d seq
e date

Ques-16 Why is 'stringsAsFators' used in R? Explain **6**

Ques-17 What is a Data Frame? Which command is used to create it? **6**

Ques-18 What are the different Graphical and Statistical Capabilities of R? List. **6**

Ques-19 Why is R a preffered source of tool? **6**

Ques-20 Each of these is a type of chart that can be created on Tableau except - **2**
a Gantt Chart
b Scatter Plot
c Mean Bird Chart
d Waterfall Chart
e Heat Maps

Ques-21 Which command is used to know the working directory you are working in R? **2**
a ggplot
b install.packages
c getwd()
d setwd()
e data.frame

Ques-22 Write a command to create a Vector named 'vovels' in R having the elements a,e,i,o,u. **3**

Ques-23 Write commands to set the location of the working directory to -
"C:/Users/IIHMRExam" and import a file. **6**
You are given the following -
file type csv
Name of the file medicalequips
First row is the header in the dataset
Hint - Use stringsAsFactors in the command

Ques-24 What is Linear Regression. Write the equation of a Multiple Linear Regression line. **3**

Ques-25 What is Over fitting of a Regression Line? What can be done to avoid over fitting. **3**