EXL Data Analyst training : Test 4 – 50 Marks : 90 Minutes

1. Analysis of Variance is called
1.Anova   2.Anava   3.Manova 4. Mancova
ANS :

2. Blocking Variable appears in which Design
1.Chi^2 2. IWay Anova 3. Random Block
4. II Way Anova
ANS :

3. Tukey Kramer procedure is used when the Sample size are
1. Equal   2. Unequal   3. <50 4. > 50
ANS :

4. MSC/MSE is
1. A   2. K   3. F 4. Z
ANS :

5. Variables controlled by user are
1.   Independent 2.Dependent 3. Random
4. Nominal
ANS :

6. Which is the Equalent of TRUE in R
1. True 2. T 3. 1   4. Options 2 &3
ANS :

7. Which is the Equalent of FALSE in R
1. False 2. F 3. 0   4. Options 2 &3
ANS :

8. For what data Chi ^2 Analysis used
1. RAW 2. Ordered   3. Categorical   4. Numerical
ANS :

9. Non Parametric test for single population is
1. Run Test 2. Stop Test 3. Z test 4. T Test
ANS :

10. Highest Presidence Data Type is
1. Logical 2.Integer 3.Neumeric 4. Character
ANS :

11. Lowest Presidence Data Type is
1. Logical 2.Integer 3.Neumeric 4. Character
ANS :

12. Which Data Structure is 2 Dimensional
1. Array 2.List 3. Data frame 4. Both 2 &3
ANS :

13. IDE Used in R is
1. R 2.R Studio 3. R Console   4. CRAN R
ANS :

NAME :
ROLL No :
BRANCH :

Q1 to Q25 – 1 Mark Each
Q 26 – 5 Marks
Q 27 & 28 – 10 Marks Each
No Negative Marks

14. Variable that is the response of Independent Variable
1. Trials 2.Dependent 3. Random
4. Nominal
ANS :

15. In One way Anova SST is
1. SSC/SSE 2.SSE*SSC 3.SSE+SSC 4.SSE-SSC
ANS :

16. Explained Variance is
1. F Value 2.SST 3.SSC   4.SSE
ANS :

17. Which is a TWO Dimensional Data Type
1. Matrix 2.List 3.Dataframe 4.Both 1 & 2
ANS :

18. Dataframe has "___" elements in columns
1. Equal 2.UNequal 3.No   4.UNknown
ANS :

19. Independent Variable appears in
1.Chi^2 2. IWay Anova 3. Random Block 4. II Way Anova
ANS :

20. Package contains
1. Functions 2. Code 3. Data Sets   4. ALL
ANS :

21. In which window of R we type the code ?
1. Script   2. Environment
3. Console   4. Plot
ANS :

21. In which window of R we see output ?
1. Script   2. Environment
3. Console   4. Plot
ANS :

23. c(1,3.14,T,'India') is stored as
1. Integer 2. Character 3.Logical 4.Neumeric
ANS :

24. In R by default elements are arranged in
1. Rows 2. Columns 3. Matrix 4. Randomly
ANS :

25. All elements of List are
1. Vectors 2.Lsits 3. Variables 4. Dataframes
ANS :

26. Write the tree diagram showing ALL the Non parametric tests ?

27.1 – Write the formula for SST in Randomized block and 2 Way Anova ?
27.2 – What are the types of interaction effects in 2Way anova,Write Hypothesis statements for them ?
27.3 - Write the commands used in EXEL for 1Way Anova, 2Way Anova and Random Block ?
27.4 – List the Data Types(In order of their Precedence) and Data Structures in R ?
27.5 – What is the full form of CRAN ? Define a function and Packages in R ?

28. Answer the Questions Below ?

28.1) What are the Different windows in R Studio, Please explain their functionality in Brief

28.2)Write the R-Code to create 5X4 matrix from 1 to 20 where elements are arranged Row wise

28.3)Write the R-CODE to find if the given number is even or odd

28.4) Write R Code to create a list with {Name1,Name2,Name3},{True,False},{India, is, my, country}
and 1).Display the class of {True,False} 2) Display { India, is, country } 3) Find class of {Name 2}

28.5) Writ R Code to create a Data frame of
Name : Amar, Babu, Chandu, Dilip
Marks : 66,77,65,76
Height : 5.5, 4.4, 5.4, 4.6
Degree : BE,MBA,BE,MBA

Replace Degree of Babu and Dilip with { BE&MBA }