EXL Data Analyst training : Test 5 – 50 Marks : 90 Minutes

NAME :
ROLL No :
BRANCH :

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

1. Which command is used in Linear Regression
1. lm() 2.ln() 3.lo() 4. lr()
ANS :

2. Command used for Correlation in Excel
1.CORR 2.CORRE 3.CORREL 4. CORRELL
ANS :

3. Homoscedasticity is
1. Constant Error Var 2. Different Error Variance
3. No Error Variance 4. None of the above
ANS :

4.Points Ouside mainstream data are
1. Clusters 2. Good data 3. Outliers 4. Residuals
ANS :

5. Coefficient of Correlation is
1. r 2. r^2 3. r^3 4. r^.5
ANS :

6. Coefficient of Determination is
1. r ^0.5 2. r^3 3. r^2 4. r
ANS :

7. Multiple Regression is plotted in
1. Response Plane 2. Data Plane 3. Flat Plane
4. Uneven Plane
ANS :

8. Output of Logistic regression is
1. Linear 2. Illogical 3. Dichotomous
4. Trichotomous
ANS :

9. Number of Iterations to reach maximum likelihood is
1. Fischer Score 2. Fisher Score 3. Fishing Score 4. Fished Score
ANS :

10. "____" AIC in Logistic regression is better
1. [Medium] 2.[Large] 3.[Small] 4. [High]
ANS :

11. Number of neighbors to be used in KNN is
1. {K} 2. {n} 3.{N} 4. {k^2}
ANS :

12. Types of Normalisation used in KNN is
1. Min Max 2. Z Score 3. Both 1&2 4. None
ANS :

13. KNN Performance is evaluated using
1. Cross table 2.Side Table 3. Correlation Plot
4. Power Plot
ANS :

14. Components of Bayes theorem are found using
1.Research table 2. Frequency Table.
3.Power table 4. Span table
ANS :

15. Naïve Bayes used "_____" Theorem
1. None of them 2.Both 3&4 3.Naive 4.Bayes
ANS :

16. Which is Good in ML Models
1. High Bias 2.None 3.Low variance 4. Both 1& 3
ANS :

17. Which is Good in ML Models
1. LowBias 2.Both 1&3 3.High variance 4.None
ANS :

18. Underfit is due to
1. None 2.High bias 3.High variance 4. Both 2&3
ANS :

19. Splines are used in "_____" Regression
1.Linear 2.Logistic 3.Exponential 4.Polinomial
ANS :

20. Divide & Conquer approach is part of
1. All 2. Decision tree 3. KNN 4. Neural Net
ANS :

21. SVM s are plotted in
1. Sonic Plance 2. Hypo Plane
3. Psudo Plane 4. Hyper Plane
ANS :

22. Kernal Trick is performed by
1. K Means 2. SVM 3.Neural net 4. MBA
ANS :

23. K Value is Selected by "_____" Plot
1. Neck 2. Wrist 3.Knee 4. Elbow
ANS :

24. What is Deep Neural Network ? (1 Mark)

25. What is Deep Learning ? (1 mark)

26. Write Confusion matrix for Logistic Regression and Define TPR, FPR, TNR, FNR ? (5 Marks)

27. Draw the Structure of Decision Tree, name the components of the tree and Briefly explain Bagging, Boosting & Random Forest ? (10 marks)

28.A) Write a structure of a Neuron in Neural network & Explain the below briefly
1- Weights 2- Activation Function 3- Network Topology 4 – Training Algorithm (5 marks)

28.B) Write a brief note on Back propogation and what is Gradient Descent Algorithm ? (5 marks)