(2 ½ Hours) [Total Marks: 75] **N.B.**: 1) **All** questions are **compulsory**. 2) **Figures** to the right **indicate marks**. 3) Illustrations, in-depth answers and diagrams will be appreciated. 4) Mixing of **sub-questions** is **not allowed**. (15M)Attempt All(Each of 5marks) **Q.1** (a) Choose the correct alternative. Ordinal data is a type of i. a) Measurement b) Catagorical c)Discrete d)Continuous ii. measures asymmetry about the mean of the probability distribution of a random variable. a)skewness b)covariance c)variance **Kurtosis** shows all individual data points. iii. a)Box-plot b) scatter plot c)line plot d)pie chart In_____, we start with all the features and removes the least iv. significant feature at each iteration. a)Forward elimination b)Backward elimination c) Recursive Feature elimination d) None of the above _types of nodes XPath specification has v. a)Four b)Five c)Six d)Seven **(b)** Fill in the blanks. Use following pool to answer question. Pool (XPath, Mode, sample, Tidy Data, Principal Components Analysis) is the subset of the population. \mathbf{i} Five number summary does not include ii. refers to the process by which principal components are iii. computed. is a query language that is used for traversing through an iv. XML document. data has each variable saved in its own column. Answer in 1-2 sentences. (c) Define Mode. ii. What is Data Aggregation? iii. What is Margin in SVM?

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Define BIC.

What is feature extraction?

iv.

V.

data collection.
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