Paper / Subject Code: 48814 / Data watehousing & Mining

Semv AIDS - R-2019 - C-Scheme Nov 23

Max. Marks: 80

1/12/23 Time: 3 hours N.B. (1) Question one is Compulsory. (2) Attempt any 3 questions out of the remaining. (3) Assume suitable data if required. 05 Q. 1 a) Explain features of Datawarehouse. b) What is Data Preprocessing? Explain the different methods for the Data 05 integration phase 05 c) What is hierarchical clustering? Explain divisive clustering 05 d) Define Metadata and explain the types of metadata Q. 2 a) Explain association rule mining and mutilevel association rules giving example of multidimensional association rules 10 b) Give Data mining as a step in KDD. Give the architecture of typical Data Mining system 10 Q. 3 a) Explain Extraction and transformation in ETL process. 10 Illustrate Multidimensional association rules with suitable examples b) 10 Define classification, issues of classification and explain Naïve bayesian Q. 4 a)

classification with example Find the mean, median, mode, midrange, variance of data

10

13,15,16,16,19,20,20,21,22,25,26,26,26,30,33,36,40,45,46,52,52,70

10

Q. 5 a) Explain HITS algorithm and illustrate its working

10

b) Explain Web structure mining in detail

10

Paper / Subject Code: 48814 / Data watchousing & Mining

	6 a)	What is clustering? Explain k-means clustering algorithm. Suppose the data is	
[2,	,4,10,	12,3,20,11,25} Consider k=2,cluster the given data using above algorithm	10

b) Illustrate with various operations and examples of OLAP cube

10
