Dr. A.P.J. Abdul Kalam Technical University (AKTU) · B.Tech Theory Examination

Data Warehouse & Data Mining

KOE093 · 2023

Time: 3 Hours **Max. Marks: 100**

Attempt all Sections.
If require any missing data; then choose suitably.

SECTION A

1(a)	Explain Data Warehousing?	2	U1
1(b)	Discuss the Fact Constellation?	2	U1
1(c)	Explain Distributed DBMS implementation.	2	U2
1(d)	Define Warehousing Software.	2	U2
1(e)	Discuss the Numerosity Reduction?	2	U3
1(f)	Define decision Tree.	2	U3
1(g)	Describe data Generalization.	2	U4
1(h)	Explain Hierarchical Clustering.	2	U4
1(i)	Explain Web Mining?	2	U5
1(j)	Discuss the OLAP.	2	U5

SECTION B

2(a)	Write down the difference between Database System and Data Cubes.	10	U1
2(b)	Explain Warehouse Schema Design.	10	U1
2(c)	Explain Data Mining and its functionalities?	10	U3
2(d)	Discuss STING is different from CLIQUE.	10	U4
2(e)	Explain warehousing application and recent trends?	10	U5

SECTION C

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3(a)	Explain Multi-Dimensional Data Model?	10	U1
3(b)	Explain Snow Flakes in detail.	10	U1
4(a)	Explain Market Basket Analysis.	10	U4
4(b)	Describe briefly the measure of central tendency.	10	U4
5(a)	Briefly describe K-Nearest-Neighbor Classifiers.	10	U4
5(b)	Discuss various issues regarding classification & prediction.	10	U4
6(a)	Discuss CURE and Chameleon in detail?	10	U4
6(b)	Explain Neural Network approach with example.	10	U4
7(a)	Discuss the essential differences between the MOLAP & ROPLAP?	10	U5
7(b)	Name any five challenges in Data Warehouse Testing.	10	U5

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