25021685

B.VOC DEGREE REGULAR/REAPPEARANCE EXAMINATIONS, MARCH 2025

Sixth Semester

B.Voc Software Development and System Administartion

SDSG603 - DATA WAREHOUSING AND BIG DATA ANALYTICS

2018 Admission Onwards

C273533D

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1.   Defining the building blocks of data warehousing.

2.   List the components data warehousing and explain.

3.   Write a short note on data loading.

4.   What do you mean by the multidimensional view?

5.   Name any 5 guidelines of the OLAP system.

6.   What do you mean by drill down?

7.   Define data mining.

8.   How does classification works?

9.   What are the components of big data?

10.   What are the five V's of Big Data?

11.   List the hardware components.

12.   Define the hardware used in big data.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13.   Explain about datamart. What are its characteristics?

14. Compare the difference between ROLAP and MOLAP.

15. Write short notes on stars, snowflakes in schemas.

16. What do you mean by cluster and outer layer analysis?

17. Explain the steps in knowledge data discovery.

18. What are the applications of big data?

19. What are traditional enterprise relational data?

20. Briefly explain the features of Hadoop.

21. Write a short note on MapReduce.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the key components of the data warehouse with a neat diagram.

23. Explain concept description and Association Rule Mining with examples.

24. Explain big data and big data analytics.

25. Explain the characteristics and features of Hadoop in detail.

(2×15=30)