

DSBDA

Question Bank

Unit-IV

1. Explain data cleaning with suitable example.
2. Draw and explain data analytics life cycle in detail.
3. Explain the data analysis life cycle in big data.[8](May/June2018)
4. What is the need of big data analysis? Explain the different types of analysis techniques. [8](May/June2018)
5. Explain the different modes of data transformation in big data. [8](May/June2018)
6. Explain different steps in Data Analytics project life cycle. [8](Nov/Dec19)
7. Explain different kinds of Data Analysis.[8](Nov/Dec19)
8. How missing values and categorical variables are preprocessed before building model? Explain with example. [09] (Nov/Dec2018)
9. What kinds of issues affect the quality of data? Explain various methods of detecting and fixing these issues with suitable example.
- 10.What is data preparation? Explain its types with suitable example. [8](May/June2018)
- 11.Explain the different modes of data transformation in big data. [8](May/June2018)
- 12.What is the need of big data analysis? Explain the different types of analysis techniques.
- 13.Explain different types of analysis in details with example. [09] (Nov/Dec2018)
- 14.What do you mean by model planning and model building? Explain tools for model building. [08] (Nov/Dec2018)
- 15.List and explain the different kind of roles for an analytics project.
- 16.List and explain the steps in discovery phase of data analytics life cycle.
17. Explain the terms data cleaning and data transformation with the help of example.

- 18.What is data melting? Why it is required in Big data
- 19.List down the criteria for model selection and model building.
- 20.What is the difference between normal project development and Big data Project development?
- 21.What are the different tools and techniques are available for data cleaning?
- 22.Which phase in life cycle is most important and why?

Unit V

1. Explain different data visualization tools. [08] (Nov/Dec2019)
2. Describe different types of data visualization. [08] (Nov/Dec2019)
3. Explain pie chart and scatter plot. [08] (Nov/Dec2019)
4. List the conventional Data visualization tools. Explain any two. [08] (Nov/Dec2019)
5. Write a note on [08] (Nov/Dec2018)
 - i. Google char API
6. What are the challenges in visualizing big data and how to overcome them? [08] (Nov/Dec2018)
7. Explain various analytical techniques used in big data visualization.
8. Demonstrate visual data representation techniques using sample data set.
9. Defend various business decisions using tableau on a sample retail industry data set.
7. What are the major challenges in visualizing big data and how to overcome these challenges? [8](May/June2018)
10. Write a short note on: Data visualization with Tableau
8. Explain[8](May/June2018)
 - a. Google chart API
 - b. Cloudera
9. Explain any two visual data representation techniques with a sample data set. [8](May/June2018)
- 10.Explain [8](May/June2018)
 - c. Data visualization with Tableau
- 11.What is the need of data visualization? Also explain advantages of data visualization. [08] (Nov/Dec2018)

12. Discuss different types of data visualization techniques? Why is visualization more important?
13. Explain different Techniques of Data Visualization in detail. [09] (Nov/Dec2018)
14. What are the advantages of data visualization? Write a short note on any three tools used for data visualization.
15. Write short note on
 - a. D3.js
 - b. Candela
16. How data aggregation, Disaggregation & join operation is performed in Tableau? Explain with a suitable dataset.
17. Which are the analytical techniques used in Big Data Visualization? Explain with suitable examples.
18. Explain analysis of a business problem of Zomato using data visualization.

Unit VI

1. What is social media analytics? Explain its need with sample case study. [9] (May/June2018)
2. Discuss various roles and responsibilities in Big Data team.
3. What is text mining? Draw and explain text mining architecture and explain its use. [10] (Nov/Dec2019), [9] (May/June2018)
4. Explain four Big Data use cases. [8] (Nov/Dec2019)
5. Explain Data Scientist role and responsibilities with suitable diagram. [9] (Nov/Dec2019) [08] (Nov/Dec2018)
6. How Social Media analytics helps in value creation? Explain with suitable example. [9] (Nov/Dec2019)
7. How mobile analytics is different than social media analytics. Explain with suitable example. [9] (May/June2018)
8. Explain roles and responsibilities of Big Data Analyst and Data Scientist. [9] (May/June2018)
9. Draw and explain detail architecture of text mining and explain why it is required? [08] (Nov/Dec2018)
10. What is mobile analytics? What is the importance of mobile analytics? [08] (Nov/Dec2018)
11. With a neat Diagram, explain Data analytics life cycle.

12. Explain the process of social media data analytics with example. [08]
(Nov/Dec2018)
13. What are the various responsibilities of Data Scientist? Explain with diagram.
14. Write short note on:
- ii. Social media analytics.
 - iii. Roles and responsibilities of big data person.
 - iv. Mobile analytics.
15. Write a short note on:
- v. Difference between mobile analytics and social media analytics.
 - vi. Text mining.
 - vii. Role of Data scientist.
16. Discuss The analytics chasm with reference to understanding Decision Theory.
17. Discuss big data value creation drivers in details.
18. Explain Michael Porter's Valuation Creation Models- 1) Five Forces Analysis 2) Value Chain Analysis
19. Explain Porter's Five Forces Analysis in detail.
20. Discuss Big Data User Interface Ramifications with reference to Insights and Recommendations.
21. List and Explain The sections of Big Data Strategy Document.
22. What is Organizational Impact of Big Data to support and exploit the big data opportunity? Discuss in detail.
23. Discuss The Big Data Envisioning Process with reference to Identifying Big Data Usecases.