



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

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VALUE ADDED COURSES

2018-2019

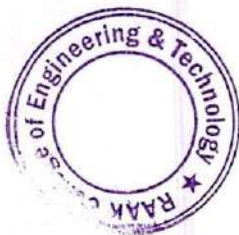
Department of Computer Science and Engineering

18CSE01- Business Intelligence and Analytics

MARK SHEET

Sl. No	Register Number	Student Name	Marks
1.	15TD3101	ANISHAMONTINA M	92
2.	15TD3102	CHADRAVATHI.T	92
3.	15TD3103	MABUNIZA.S	88
4.	15TD3104	MADHUVANTHI.S	82
5.	15TD3105	MUMTAJ BEGUM.I	84
6.	15TD3106	SAMSATH BEGUM.S	86
7.	15TD3107	SHAMEENA BEGUM.J	94
8.	15TD3108	SUMATHIRA.I	96
9.	15TD3109	VIDHYA.V	98

R. Jey
HOD



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2018-2019

Department of Computer science and Engineering
18CSE01- Business Intelligence and Analytics

NAME:

CLASS:

DATE:

1. What is Business Intelligence (BI)?
 - a) The process of collecting and storing data
 - b) The analysis of historical data to make informed business decisions
 - c) The use of artificial intelligence in business operations
 - d) The process of understanding customers' emotionsAnswer: b) The analysis of historical data to make informed business decisions


2. Which of the following is NOT a component of BI?
 - a) Data visualization
 - b) Data warehousing
 - c) Predictive modeling
 - d) Social media marketingAnswer: d) Social media marketing

3. What is the purpose of a data warehouse in BI?
 - a) To store and manage large volumes of data from various sources
 - b) To visualize data using charts and graphs
 - c) To automate business processes
 - d) To conduct market researchAnswer: a) To store and manage large volumes of data from various sources

4. Which term refers to the process of transforming raw data into meaningful and useful information for business analysis?
 - a) Data visualization
 - b) Data modeling
 - c) Data mining
 - d) Data preprocessingAnswer: d) Data preprocessing

5. What does OLAP stand for in the context of BI?
 - a) Online Learning and Processing
 - b) Online Analytical Processing
 - c) Operational Logistics and Planning
 - d) Open Learning and Analysis Platform




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Answer: b) Online Analytical Processing

6. Which of the following techniques is used to identify patterns and relationships in large datasets?
- a) Regression analysis
 - b) Data mining
 - c) Descriptive statistics
 - d) Sampling

Answer: b) Data mining

7. What is the primary goal of data visualization in BI?
- a) To summarize data
 - b) To make data more aesthetically pleasing
 - c) To communicate insights effectively
 - d) To store and retrieve data

Answer: c) To communicate insights effectively

8. Which of the following is a key characteristic of a data-driven organization?
- a) Making decisions based on intuition
 - b) Relying solely on qualitative data
 - c) Using data to drive decision-making processes
 - d) Ignoring customer feedback

Answer: c) Using data to drive decision-making processes

9. What is the role of a BI dashboard?
- a) To store and manage data
 - b) To visualize data in real-time
 - c) To automate business processes
 - d) To conduct market research

Answer: b) To visualize data in real-time

10. Which of the following is NOT a common data visualization technique used in BI?
- a) Bar charts
 - b) Scatter plots
 - c) Text mining
 - d) Pie charts

Answer: c) Text mining

11. Which term refers to the process of extracting knowledge from data using statistical and mathematical techniques?

- a) Data warehousing
- b) Data mining
- c) Data preprocessing




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d) Data visualization
Answer: b) Data mining

12. What does the acronym KPI stand for in BI?

- a) Key Performance Indicator
- b) Key Predictive Indicator
- c) Key Probability Index
- d) Key Productivity Insight

Answer: a) Key Performance Indicator

13. Which of the following is an example of a BI tool?

- a) Microsoft Word
- b) Adobe Photoshop
- c) Tableau
- d) Google Chrome

Answer: c) Tableau

14. What is the purpose of a predictive analytics model in BI?

- a) To analyze past events
- b) To identify trends and make forecasts
- c) To visualize data
- d) To store and manage data

Answer: b) To identify trends and make forecasts

15. What is the primary goal of descriptive analytics in BI?

- a) To predict future outcomes
- b) To summarize historical data
- c) To automate decision-making processes
- d) To visualize data in real-time

Answer: b) To summarize historical data

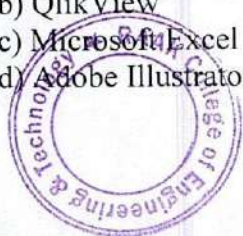
16. Which term refers to the process of integrating data from multiple sources into a single, coherent view?


- a) Data visualization
- b) Data preprocessing
- c) Data integration
- d) Data mining

Answer: c) Data integration

17. Which of the following is NOT a common BI data visualization tool?

- a) Power BI
- b) QlikView
- c) Microsoft Excel
- d) Adobe Illustrator




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Answer: d) Adobe Illustrator

18. What is the primary goal of business intelligence (BI)?

- a) Storing data
- b) Analyzing historical data for decision-making
- c) Creating databases
- d) Developing software applications

Answer: b) Analyzing historical data for decision-making

19. Which term refers to the process of transforming raw data into meaningful insights?

- a) Data aggregation
- b) Data preprocessing
- c) Data analysis
- d) Data warehousing

Answer: c) Data analysis

20. What does OLAP stand for in the context of business intelligence?

- a) Online Learning and Processing
- b) Online Analytical Processing
- c) Operational Logistics and Planning
- d) Open Learning and Analysis Platform

Answer: b) Online Analytical Processing

21. Which of the following is a common business intelligence tool for data visualization?

- a) Microsoft Word
- b) Adobe Photoshop
- c) Tableau
- d) Google Chrome

Answer: c) Tableau

22. What is the primary purpose of a data warehouse in business intelligence?

- a) Real-time data analysis
- b) Storing large volumes of historical data
- c) Data visualization
- d) Social media marketing

Answer: b) Storing large volumes of historical data

23. Which term refers to the process of identifying patterns and relationships in large datasets?

- a) Data visualization
- b) Data mining
- c) Data integration
- d) Data warehousing

Answer: b) Data mining



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24. What is the main objective of a BI dashboard?

- a) Storing data
- b) Visualizing data in real-time
- c) Predictive modeling
- d) Conducting market research


Answer: b) Visualizing data in real-time

25. What does KPI stand for in the context of business intelligence?

- a) Key Performance Indicator
- b) Key Predictive Indicator
- c) Key Probability Index
- d) Key Productivity Insight

Answer: a) Key Performance Indicator




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2018-2019

Department of Computer science Engineering
18CSE01- Business Intelligence and Analytics

NAME: DEVADHARSHINI.S
CLASS: IV / CSE
DATE: 20/08/2018

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$\frac{23}{25} = 92\%$



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Certificate of Completion

2018-2019

This is to certify that Mr/Ms. V.I.D.HYVA:V.....
Year...IV..... Department...CSE..... has successfully Completed the Value added course.

COURSE TITLE: Business Intelligence & Analytics

COURSE DURATION: 09.08.18 TO 13.08.18.....

SCORE: 98.....

.....V. Gowtham.....
HOD



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VALUE ADDED COURSES

2018-2019

Department of Computer Science and Engineering

18CSE02- Nature Inspired Computing

MARK SHEET

Sl. No	Register Number	Student Name	MARKS
1	16TD3101	DEVADHARSHINI.S	92
2	16TD3102	JEEVA.M	89
3	16TD1037	SHASHANTHINI.VR	96

V. Ganesh
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S.S.
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Department of Computer science and Engineering
18CSE02- Nature Inspired Computing

NAME:

CLASS:

DATE:

1. What is nature-inspired computing?
 - a) A type of computing that relies on natural language processing
 - b) A computing paradigm that draws inspiration from natural systems and phenomena
 - c) A computing technique that focuses on hardware development
 - d) A computing method based on quantum mechanicsAnswer: b) A computing paradigm that draws inspiration from natural systems and phenomena
2. Which of the following is NOT an example of nature-inspired computing?
 - a) Genetic algorithms
 - b) Artificial neural networks
 - c) Quantum computing
 - d) Swarm intelligenceAnswer: c) Quantum computing
3. Which branch of nature-inspired computing is based on the principles of evolution and natural selection?
 - a) Genetic algorithms
 - b) Ant colony optimization
 - c) Artificial neural networks
 - d) Particle swarm optimizationAnswer: a) Genetic algorithms
4. What concept does ant colony optimization (ACO) draw inspiration from?
 - a) Evolutionary biology
 - b) Social behavior of ants
 - c) Quantum mechanics
 - d) Cellular automataAnswer: b) Social behavior of ants
5. Which nature-inspired computing technique is commonly used for optimization problems and draws inspiration from the foraging behavior of ants?
 - a) Genetic algorithms



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- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: b) Ant colony optimization

6. What is the primary advantage of nature-inspired computing techniques?

- a) They are easy to implement
- b) They guarantee optimal solutions for all problems
- c) They are robust and adaptive
- d) They require a large amount of computational resources

Answer: c) They are robust and adaptive

7. Which nature-inspired computing technique is inspired by the social behavior of bird flocks and fish schools?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: c) Particle swarm optimization

8. Which nature-inspired computing technique is inspired by the process of natural selection and survival of the fittest?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: a) Genetic algorithms

9. What is the main goal of using nature-inspired computing techniques?

- a) To replace traditional computing methods
- b) To mimic the behavior of natural systems for problem-solving
- c) To minimize computational complexity
- d) To maximize energy efficiency


Answer: b) To mimic the behavior of natural systems for problem-solving

10. Which nature-inspired computing technique is based on the principles of social behavior observed in bird flocks and fish schools?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: c) Particle swarm optimization




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11. Which nature-inspired computing technique is commonly used for solving complex optimization problems and is based on the process of cooling molten metal?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: d) Simulated annealing

12. Which nature-inspired computing technique is based on the principles of natural selection and survival of the fittest, and is commonly used for optimization problems?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: a) Genetic algorithms

13. What is the primary advantage of genetic algorithms in problem-solving?

- a) They always guarantee the optimal solution
- b) They are computationally inexpensive
- c) They can handle complex and nonlinear problems
- d) They require a large amount of memory

Answer: c) They can handle complex and nonlinear problems

14. Which nature-inspired computing technique is inspired by the behavior of honeybees in searching for food sources?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Bee colony optimization

Answer: d) Bee colony optimization

15. Which nature-inspired computing technique is based on the principles of natural selection and survival of the fittest, and is commonly used for solving optimization problems with discrete variables?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: a) Genetic algorithms

16. What is the primary advantage of ant colony optimization (ACO) in problem-solving?

- a) It guarantees the optimal solution for all problems
- b) It is computationally inexpensive


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- c) It is robust and adaptive
 - d) It requires a large amount of computational resources
- Answer: c) It is robust and adaptive

17. Which nature-inspired computing technique is commonly used for solving optimization problems and is based on the principles of swarm intelligence?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: c) Particle swarm optimization

18. What is the primary advantage of nature-inspired computing techniques?

- a) They are easy to implement
- b) They guarantee optimal solutions for all problems
- c) They are robust and adaptive
- d) They require a large amount of computational resources

Answer: c) They are robust and adaptive

19. Which nature-inspired computing technique is inspired by the social behavior of bird flocks and fish schools?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: c) Particle swarm optimization

20. What concept does ant colony optimization (ACO) draw inspiration from?

- a) Evolutionary biology
- b) Social behavior of ants
- c) Quantum mechanics
- d) Cellular automata

Answer: b) Social behavior of ants

21. Which nature-inspired computing technique is commonly used for optimization problems and draws inspiration from the foraging behavior of ants?

- a) Genetic algorithms
- b) Ant colony optimization
- c) Particle swarm optimization
- d) Simulated annealing

Answer: b) Ant colony optimization

22. What is the main goal of using nature-inspired computing techniques?

- a) To replace traditional computing methods
- b) To mimic the behavior of natural systems for problem-solving




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c) To minimize computational complexity

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Answer: b) To mimic the behavior of natural systems for problem-solving

23. Which nature-inspired computing technique is based on the principles of natural selection and survival of the fittest, and is commonly used for optimization problems with discrete variables?

a) Genetic algorithms

b) Ant colony optimization

c) Particle swarm optimization

d) Simulated annealing

Answer: a) Genetic algorithms

24. What is the primary advantage of ant colony optimization (ACO) in problem-solving?

a) It guarantees the optimal solution for all problems

b) It is computationally inexpensive

c) It is robust and adaptive

d) It requires a large amount of computational resources

Answer: c) It is robust and adaptive

25. Which nature-inspired computing technique is based on the principles of natural selection and survival of the fittest, and is commonly used for optimization problems?

a) Genetic algorithms

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Answer: a) Genetic algorithms



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Department of Computer science Engineering
18CSE02- Nature Inspired Computing

NAME: SHASHANTHINI.VR

CLASS: III / CSE

DATE: 20/08/2018

1. What is nature-inspired computing?
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24
25

96%



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 - c) Particle swarm optimization
 - d) Simulated annealing

11. Which nature-inspired computing technique is commonly used for solving complex optimization problems and is based on the process of cooling molten metal?
 - a) Genetic algorithms
 - b) Ant colony optimization
 - c) Particle swarm optimization
 - d) Simulated annealing

12. Which nature-inspired computing technique is based on the principles of natural selection and survival of the fittest, and is commonly used for optimization problems?
 - a) Genetic algorithms
 - b) Ant colony optimization




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- c) Particle swarm optimization
d) Simulated annealing
13. What is the primary advantage of genetic algorithms in problem-solving?
a) They always guarantee the optimal solution
b) They are computationally inexpensive
c) They can handle complex and nonlinear problems
d) They require a large amount of memory
14. Which nature-inspired computing technique is inspired by the behavior of honeybees in searching for food sources?
a) Genetic algorithms
b) Ant colony optimization
c) Particle swarm optimization
d) Bee colony optimization
15. Which nature-inspired computing technique is based on the principles of natural selection and survival of the fittest, and is commonly used for solving optimization problems with discrete variables?
a) Genetic algorithms
b) Ant colony optimization
c) Particle swarm optimization
d) Simulated annealing
16. What is the primary advantage of ant colony optimization (ACO) in problem-solving?
a) It guarantees the optimal solution for all problems
b) It is computationally inexpensive
c) It is robust and adaptive
d) It requires a large amount of computational resources
17. Which nature-inspired computing technique is commonly used for solving optimization problems and is based on the principles of swarm intelligence?
a) Genetic algorithms
b) Ant colony optimization
c) Particle swarm optimization
d) Simulated annealing
18. What is the primary advantage of nature-inspired computing techniques?
a) They are easy to implement
b) They guarantee optimal solutions for all problems
c) They are robust and adaptive
d) They require a large amount of computational resources




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19. Which nature-inspired computing technique is inspired by the social behavior of bird flocks and fish schools?
- a) Genetic algorithms
 - b) Ant colony optimization
 - c) Particle swarm optimization
 - d) Simulated annealing
20. What concept does ant colony optimization (ACO) draw inspiration from?
- a) Evolutionary biology
 - b) Social behavior of ants
 - c) Quantum mechanics
 - d) Cellular automata
21. Which nature-inspired computing technique is commonly used for optimization problems and draws inspiration from the foraging behavior of ants?
- a) Genetic algorithms
 - b) Ant colony optimization
 - c) Particle swarm optimization
 - d) Simulated annealing
22. What is the main goal of using nature-inspired computing techniques?
- a) To replace traditional computing methods
 - b) To mimic the behavior of natural systems for problem-solving
 - c) To minimize computational complexity
 - d) To maximize energy efficiency
23. Which nature-inspired computing technique is based on the principles of natural selection and survival of the fittest, and is commonly used for optimization problems with discrete variables?
- a) Genetic algorithms
 - b) Ant colony optimization
 - c) Particle swarm optimization
 - d) Simulated annealing
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 - b) It is computationally inexpensive
 - c) It is robust and adaptive
 - d) It requires a large amount of computational resources
25. Which nature-inspired computing technique is based on the principles of natural selection and survival of the fittest, and is commonly used for optimization problems?
- a) Genetic algorithms
 - b) Ant colony optimization
 - c) Particle swarm optimization




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Certificate of Completion

2018-2019

This is to certify that Mr/Ms..... **JEEVA.M**.....
Year..... III..... Department..... **CSE**..... has successfully Completed the Value added
course.

COURSE TITLE: **NATURE INSPIRED COMPUTING**

SCORE: **89**.....

COURSE DURATION: **09.08.18 To 13.08.18**.....

..... **V. Gowder**

HOD

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..... **SS**

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VALUE ADDED COURSES

2018-2019

Department of Computer Science and Engineering

18CSE03- Data Visualization and Presentation

MARK SHEET

Sl. No	Register Number	Student Name	MARKS
1	17TD2001	ABDUL RAHMAN.H	92
2	17TD2002	DEVIKA.P	89
3	17TD2003	EGALAKSHMI.P	96
4	17TD2004	ESHWAR. R	88
5	17TD2006	HARINI .S	92
6	17TD2008	JAYABHARATHI .M	88
7	17TD2009	JAYADHARANI. V	92
8	17TD2010	KEERTHANA.C	89
9	17TD2011	KOWSAR BEGUM.A	96
10	17TD2012	NISHA ESWARI.M	92
11	17TD2013	PAVITHRA.S	96
12	17TD2015	PRIYADHARSHINI.S	92
13	17TD2016	RAGHUL.M	89
14	17TD2017	RANJANI.R	96
15	17TDL024	ALEX ZANDER.C	88



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[Signature]
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VALUE ADDED COURSES

2018-2019

Department of Computer science and Engineering
18CSE03- Data Visualization and Presentation

NAME:

CLASS:

DATE:

1. What is data visualization?

- a) The process of collecting data
- b) The process of analyzing data
- c) The graphical representation of data
- d) The process of storing data

Answer: c) The graphical representation of data

2. Which of the following is NOT a common type of data visualization?

- a) Bar chart
- b) Line graph
- c) Database
- d) Scatter plot

Answer: c) Database

3. What is the purpose of data visualization?

- a) To make data more difficult to understand
- b) To make data easier to understand and interpret
- c) To increase the complexity of data
- d) To decrease the accessibility of data

Answer: b) To make data easier to understand and interpret

4. Which of the following is NOT a characteristic of effective data visualization?

- a) Clarity
- b) Complexity
- c) Accuracy
- d) Relevance

Answer: b) Complexity

5. What type of data visualization is best suited for comparing values across categories?

- a) Pie chart
- b) Line graph
- c) Bar chart




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d) Scatter plot

Answer: c) Bar chart

6. Which of the following is a popular tool for creating data visualizations?

- a) Microsoft Word
- b) Adobe Photoshop
- c) Tableau
- d) Google Chrome

Answer: c) Tableau

7. What is the purpose of adding interactivity to data visualizations?

- a) To make the visualizations more static
- b) To make the visualizations more engaging and informative
- c) To reduce the accessibility of the visualizations
- d) To limit the usability of the visualizations

Answer: b) To make the visualizations more engaging and informative

8. Which type of data visualization is best suited for showing trends over time?

- a) Pie chart
- b) Line graph
- c) Bar chart
- d) Scatter plot

Answer: b) Line graph

9. What is the primary goal of data presentation?

- a) To confuse the audience
- b) To communicate information effectively
- c) To obscure the data
- d) To limit the audience's understanding

Answer: b) To communicate information effectively

10. Which of the following is NOT a common data visualization design principle?

- a) Clarity
- b) Colorfulness
- c) Consistency
- d) Context

Answer: b) Colorfulness

11. What does the term "storytelling" refer to in the context of data visualization?

- a) Presenting data in a narrative format to convey a message
- b) Using fictional characters in data visualizations
- c) Avoiding the use of visual elements in data presentations



[Signature]
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d) Creating complex and confusing visualizations

Answer: a) Presenting data in a narrative format to convey a message

12. Which of the following is NOT a common data visualization format?

- a) Infographic
- b) Spreadsheet
- c) Dashboard
- d) Presentation slide

Answer: b) Spreadsheet

13. What is the purpose of color in data visualization?

- a) To make the visualization less engaging
- b) To confuse the audience
- c) To highlight important information and trends
- d) To obscure the data

Answer: c) To highlight important information and trends

14. Which data visualization technique is commonly used for representing hierarchical data structures?

- a) Tree map
- b) Scatter plot
- c) Heat map
- d) Box plot

Answer: a) Tree map

15. What is the primary benefit of using data visualization in presentations?

- a) It makes the presentations longer
- b) It enhances audience engagement and understanding
- c) It limits the accessibility of the information
- d) It reduces the need for explanation

Answer: b) It enhances audience engagement and understanding

16. Which of the following is NOT a common mistake in data visualization?

- a) Misleading representations
- b) Overcomplicating visualizations
- c) Using consistent color schemes
- d) Ignoring the audience's needs

Answer: c) Using consistent color schemes



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17. What is the purpose of data storytelling in presentations?

- a) To confuse the audience
- b) To present data in a compelling and narrative format
- c) To avoid using visual elements
- d) To limit audience engagement

Answer: b) To present data in a compelling and narrative format

18. Which data visualization technique is commonly used for showing the distribution and spread of data values?

- a) Histogram
- b) Line graph
- c) Bar chart
- d) Pie chart

Answer: a) Histogram

19. What does the term "data-driven storytelling" refer to?

- a) Presenting data in a narrative format
- b) Using fictional characters in data visualizations
- c) Creating visualizations based on data insights
- d) Ignoring data in presentations

Answer: c) Creating visualizations based on data insights

20. What is the purpose of adding annotations to data visualizations?

- a) To make the visualizations less informative
- b) To provide additional context and explanation
- c) To confuse the audience
- d) To limit audience engagement

Answer: b) To provide additional context and explanation

21. What is the purpose of color in data visualization?

- a) To make the visualization more engaging
- b) To highlight important information and trends
- c) To reduce the visibility of data points
- d) To increase complexity

Answer: b) To highlight important information and trends

22. Which data visualization technique is commonly used for showing trends over time?

- a) Pie chart
- b) Line graph
- c) Bar chart
- d) Scatter plot




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Answer: b) Line graph

23. What is the primary purpose of data visualization in presentations?

- a) To make presentations longer
- b) To enhance audience understanding and engagement
- c) To limit the audience's format
- c) To avoid using visual elements
- d) To limit audience engagement understanding
- d) To decrease the accessibility of data

Answer: b) To enhance audience understanding and engagement

24. What is the primary goal of data storytelling in presentations?

- a) To confuse the audience
- b) To present data in a compelling and narrative

Answer: b) To present data in a compelling and narrative format

25. Which data visualization technique is commonly used for comparing values across categories?

- a) Histogram
- b) Scatter plot
- c) Bar chart
- d) Line graph

Answer: c) Bar chart




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VALUE ADDED COURSES
2018-2019

Department of Computer science Engineering
18CSE03- Data Visualization and Presentation

NAME: RANJANI.R
CLASS: II / CSE
DATE: 20/08/2018

1. What is data visualization?
a) The process of collecting data
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 c) The graphical representation of data
d) The process of storing data
2. Which of the following is NOT a common type of data visualization?
a) Bar chart
b) Line graph
 c) Database
d) Scatter plot
3. What is the purpose of data visualization?
a) To make data more difficult to understand
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d) To decrease the accessibility of data
4. Which of the following is NOT a characteristic of effective data visualization?
a) Clarity
 b) Complexity
c) Accuracy
d) Relevance
5. What type of data visualization is best suited for comparing values across categories?
a) Pie chart
b) Line graph
 c) Bar chart
d) Scatter plot

24
25

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6. Which of the following is a popular tool for creating data visualizations?
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8. Which type of data visualization is best suited for showing trends over time?
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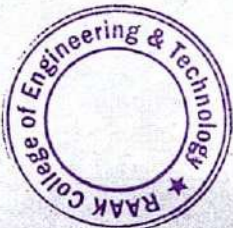
9. What is the primary goal of data presentation?
 - a) To confuse the audience
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 - d) To limit the audience's understanding

10. Which of the following is NOT a common data visualization design principle?
 - a) Clarity
 - b) Colorfulness
 - c) Consistency
 - d) Context

11. What does the term "storytelling" refer to in the context of data visualization?
 - a) Presenting data in a narrative format to convey a message
 - b) Using fictional characters in data visualizations
 - c) Avoiding the use of visual elements in data presentations
 - d) Creating complex and confusing visualizations

12. Which of the following is NOT a common data visualization format?
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13. What is the purpose of color in data visualization?




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- a) Histogram
 - b) Line graph
 - c) Bar chart
 - d) Pie chart
19. What does the term "data-driven storytelling" refer to?




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- a) Presenting data in a narrative format
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c) Bar chart
d) Line graph



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Certificate of Completion

2018-2019

This is to certify that Mr/Ms..... **ESHWAR.R**.....
Year...II..... Department...CSE..... has successfully Completed the Value added course.

COURSE TITLE: DATA VISUALIZATION & PRESENTATION

COURSE DURATION: 0.9.08.18 TO.13.08.18.....

SCORE: 88.....

.....V. Senthil.....
HOD



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