

Short Questions

Unit – 1

1. What is Big Data?
2. Why is Big Data important in modern business?
3. How does Big Data differ from traditional data sets?
4. What are the Four V's of Big Data?
5. How does Volume impact Big Data?
6. What is the significance of Velocity in Big Data?
7. Why is Variety important in Big Data?
8. How does Veracity affect the quality of Big Data?
9. What industries benefit most from Big Data?
10. How does Big Data contribute to decision-making?
11. What role does Big Data play in customer insights?
12. How does Big Data Analytics differ from traditional analytics?
13. What are the key tools used in Big Data Analytics?
14. How does Big Data Analytics support predictive modeling?
15. What is data visualization in the context of Big Data?
16. How does Big Data drive innovation in businesses?
17. What are the privacy concerns with Big Data?
18. How is AI integrated with Big Data?
19. What are the challenges in managing Big Data?
20. How is Big Data used in healthcare?
21. What role does Big Data play in financial risk management?
22. How does Big Data impact the retail industry?
23. What is the importance of Big Data in supply chain management?

24. How does Big Data contribute to personalized marketing?
25. What are the applications of Big Data in smart city initiatives?
26. How is Big Data utilized in sports analytics?
27. What is the role of Big Data in education?
28. How does Big Data support fraud detection in banking?
29. What is the impact of Big Data on social media analysis?
30. How can Big Data improve customer service?
31. What are the ethical considerations in using Big Data?
32. How does Big Data assist in climate change research?
33. What is the role of machine learning in Big Data Analytics?
34. How does Big Data enable better forecasting in business?
35. What are the benefits of Big Data in logistics?
36. How is Big Data transforming the energy sector?
37. What is the importance of Big Data in government policies?
38. How does Big Data enhance predictive maintenance?
39. What are the best practices for Big Data security?
40. How does Big Data impact e-commerce?
41. What are the applications of Big Data in telecommunications?
42. How is Big Data used in content personalization?
43. What is the role of Big Data in customer relationship management?
44. How does Big Data influence online advertising?
45. What are the limitations of Big Data Analytics?
46. How does cloud computing integrate with Big Data?
47. What is the future scope of Big Data?
48. How do small businesses benefit from Big Data?

49. What are the career opportunities in Big Data?
50. How is Big Data evolving with the advent of IoT?

Unit – 2

51. What are the primary functions of Hadoop in Big Data management?
52. How does Hadoop's distributed file system enhance data processing?
53. What are the common challenges faced in Data Discovery for Big Data?
54. How do open-source platforms contribute to Big Data analytics?
55. In what ways does cloud computing simplify Big Data analysis?
56. What are the key differences between traditional databases and Hadoop?
57. How does Predictive Analytics in Big Data differ from conventional forecasting?
58. What role does Mobile Business Intelligence play in leveraging Big Data?
59. How is Big Data shaping the future of personalized marketing strategies?
60. What are the ethical implications of data collection in Big Data analytics?
61. How do real-time analytics work in a Big Data environment?
62. What are the advantages of using Apache Spark in Big Data processing?
63. How does Big Data affect decision-making processes in large organizations?
64. What are the implications of Big Data on consumer privacy?
65. How is Big Data analytics transforming the healthcare industry?
66. What strategies are used for effective data management in Big Data?
67. How does Big Data facilitate more accurate risk assessment in finance?
68. What is the impact of Big Data on e-commerce customer experiences?
69. How are IoT and Big Data converging to create smart solutions?
70. What is the significance of machine learning in Big Data analytics?
71. How do data visualization tools enhance the understanding of Big Data?

72. What are the main security concerns with storing and processing Big Data?
73. How is Big Data utilized in predictive maintenance?
74. What role does Big Data play in enhancing supply chain operations?
75. How is Big Data driving innovations in the energy sector?
76. What are the key components of a successful Big Data strategy?
77. How does Big Data assist in developing effective government policies?
78. What is the role of Big Data in environmental sustainability?
79. How are social media platforms leveraging Big Data for targeted advertising?
80. What are the career opportunities in the field of Big Data and analytics?
81. How does Big Data influence content personalization in digital media?
82. What is the potential of Big Data in the field of autonomous vehicles?
83. How do Big Data tools support fraud detection in financial services?
84. What are the latest trends in Big Data technology for 2024?
85. How does Big Data contribute to advancements in artificial intelligence?
86. What are the challenges in integrating Big Data with existing IT infrastructure?
87. How does Big Data analytics help in optimizing logistics and transportation?
88. What are the best practices in ensuring data quality in Big Data?
89. How can small and medium enterprises benefit from Big Data technologies?
90. What is the role of Big Data in the evolution of smart cities?
91. How does Big Data impact the development of mobile applications?
92. What are the challenges in managing the velocity of Big Data?
93. How is Big Data transforming customer relationship management?
94. What are the innovative uses of Big Data in the education sector?
95. How does Big Data enable better forecasting in meteorology?
96. What is the impact of quantum computing on Big Data processing?

97. How does Big Data assist in behavioural and social science research?
98. What are the limitations of Big Data in terms of data interpretation?
99. How are telecommunication companies using Big Data to improve services?
100. What are the future prospects of Big Data in global business strategies?

Unit – 3

101. What is Apache Hadoop and why is it important for Big Data?
102. Can you explain the basic architecture of Hadoop?
103. What are the core components of the Hadoop ecosystem?
104. How does Hadoop handle large-scale data processing?
105. What is the role of HDFS in Hadoop?
106. How does MapReduce work in the Hadoop framework?
107. Can you list some common applications of Hadoop in the industry?
108. What is YARN in the context of Hadoop?
109. How is data distributed in a Hadoop cluster?
110. What are some challenges in managing Big Data with Hadoop?
111. How does Hadoop ensure data reliability and fault tolerance?
112. What are the differences between Hadoop 1.x and Hadoop 2.x?
113. How is data security handled in Hadoop?
114. Can you explain the concept of a NameNode in Hadoop?
115. What is a DataNode in the Hadoop architecture?
116. How does Hadoop integrate with other Big Data tools?
117. What is the significance of the Hadoop Ecosystem?
118. Can you name some components of the Hadoop Ecosystem and their functions?
119. How does Hadoop handle real-time data processing?

120. What are the limitations of Hadoop for Big Data analytics?
121. How is data moved into and out of Hadoop?
122. Can you explain the process of data ingestion in Hadoop?
123. What are some common tools used for data import/export in Hadoop?
124. How does Hadoop handle different data formats?
125. What are the challenges of data migration in Hadoop?