
1	List the phases of design.	2
2	Define conceptual design.	2
3	What is logical schema?	2
4	Brief about physical schema.	2
5	Define Data model.	2
6	Describe Conceptual model.	8
7	Define attributes.	2
8	What is generalization?	6
9	What is meant by recursive relationship?	2
10	Discuss in detail about Database Design and Modelling.	16
11	Define Business rule.	2
12	Give the classification of Business rules.	2
13	Explain business rules with example.	8
14	Give some examples for entity.	2
15	Define relationship.	2
16	How to enforce business rule?	2
17	Define Database management system.	2
18	What is meant by JDBC?	2
19	What is the use of JDBC Drivers?	2
20	Define ODBC.	2
21	List the types of JDBC.	2
22	How to manipulate database with JDBC?	2
23	List the JDBC classes for DB connection.	2
24	Define Native API.	2
25	Explain about JDBC.	16
26	What is the use of Database Connection Manager?	2
27	How to create method for connection?	2
28	Explain about simple version of manager.	8
29	Define Data Access Exception.	2
30	Define connection manager using properties.	2
31	Define stored procedures.	2,4

32	What are all the advantages of stored procedure?	2
33	How to write the procedure. Give some example.	2
34	Give some valid SQL procedure body statements.	2
35	What is meant by invoking procedures?	2
36	Define nested SQL.	2
37	Explain in detail about Stored Procedures.	16
38	Give some latest trends in Big data.	2
39	Describe the latest trends in Big Data.	16
40	What is Hadoop?	2
41	What Hadoop includes?	2
42	Give some characteristics of Hadoop.	2
43	Define Hadoop –assumptions.	2
44	Give the description for Yahoo Hadoop Clusters.	2
45	List some example Organizations using Hadoop.	2
46	Discuss in detail about Hadoop.	16
47	Define HDFS.	2
48	Draw the HDFS Architecture and explain in detail.	16
49	What is MapReduce?	2
50	How does MapReduce work?	2
51	Give some applications using MapReduce.	2
52	Discuss MapReduce-fault tolerance.	4
53	Briefly discuss about MapReduce.	8
54	What is Hive?	2
55	What is the use of Hive?	2
56	Give the data model of Hive.	2
57	Discuss about pros and cons of Hive.	4
58	Give some future work of Hive.	2
59	List application of Hive.	2
60	Write short notes about Hive.	8