Database	
SOURCE: 01	**Database Management System (GATE EXAM)**
01	DBMS Syllabus
02	Introduction to DBMS (Database Management system) with Real Life Example
03	File System vs DBMS | Disadvantages of File System | DBMS Advantage
04	Tier and 3 Tire Architecture with Real Life Examples
05	What is Schema | How to Define Schema
06	Three Schema Architecture | Three Level of Abstraction
07	What is Data Independence | logical vs Physical Independency
08	Integrity Constraints in Database with Examples
09	What is CANDIDATE KEY and PRIMARY Key | Full Concept | Most Suitable Example
10	What is Primary Key in DBMS | Primary Key with Examples
11	Foreign Key in DBMS | Full Concept with Examples
12	Insert, Update and Delete from Foreign Key Table | Referential Integrity
13	Question on Foreign Key
14	Super Key in DBMS
15	Introduction to ER Model
16	Types of Attributes in ER Model | Full Concept
17	One to One Relationship in DBMS
18	One to Many Relationship in DBMS | 1-M Relationship
19	Many to Many Relationship in DBMS | M-N Relationship
20	Question on Minimize Table in ER Mode
21	Introduction to Normalization | Insertion, Deletion, Updating Anomaly
22	First Normal form in DBMS | 1st Normal form
23	Finding Closure of Functional Dependency in DBMS | Easiest and Simplest Way
24	Functional Dependency and Its Properties in DBMS
25	Second Normal Form | 2NF
26	Third Normal Form in DBMS with Examples | Normalization
27	Boyce Codd Normal Form | BCNF | DBMS | Normalization with Best Examples
28	BCNF Always Ensures Dependency Preserving Decomposition and Normalization Examples
29	Lossless and Lossy Decomposition | Fifth Normal Form
30	All Normal Forms with Real Life Examples | 1NF 2NF 3NF BCNF 4NF 5NF All in One
31	Minimal Cover in DBMS with Cample | Canonical Cover
32	Question on Normalization
33	How to Find Our the Normal Form Out The Normal Form of A Relation
34	Cover and Equivalence of Functional Dependencies
35	Dependency Preserving Decomposition with Example 1
36	Dependency Preserving Decomposition with Example 2
37	Introduction to Joins and Its Types | Need of Joins with Examples
38	Natural Join Operation with Example
39	Self-Join Operation with Example
40	Equal Join Operation with Example
41	Left Outer Join Operation with Example
42	Right Outer Join Operation with Example
43	Introduction to Relational Algebra
44	Projection in Relational Algebra
45	Selection in Relational Algebra

46	Cross/Cartesian Product in Relational Algebra
47	Set Difference in Relational Algebra
48	Union Operation in Relational Algebra
49	Division Operation in Relational Algebra
50	Tuple Calculus in DBMS with Examples
51	Introduction to Structured Query Language | All Points Regarding its Features
52	All Types of SQL Commands with Example | DDL, DML, DCL, TCL and CONSTRAINTS
53	Create Table in SQL with Execution | SQL for Beginners | Oracle LIVE
54	ALTER Command (DDL) in SQL with Implementation on Oracle
55	Difference Between ALTER and UPDATE in SQL with Examples
56	Difference Between Delete, Drop and Truncate in SQL
57	Constraints in SQL
58	SQL Queries and Subqueries (Part-1)
59	SQL Queries and Subqueries (Part-2) | 2nd Highest Salary | Nested Query
60	SQL Queries and Subqueries (Part-3) | Group By Clause
61	SQL Queries and Subqueries (Part-4) | Having Clause
62	SQL Queries and Subqueries (Part-5)
63	SQL Queries and Subqueries (Part-6) | Use of IN and NOT IN
64	SQL Queries and Subqueries (Part-7) | Use of IN and NOT IN in Subquery
65	EXIST and NOT EXIST Subqueries (Part-8)
66	SQL Aggregate Functions – SUM, AVG(n), COUNT, MIN, MAX Functions
67	Correlated Subquery in SQL with Example
68	Difference Between Joins, Nested Subquery and Correlated Subquery
69	Find Nth (1st, 2nd, 3rd, ….N) Highest Salary in SQL
70	Question on SQL Basic Concepts
71	Introduction to PL-SQL in DBMS
72	Introduction to Transaction Concurrency
73	ACID Properties of a Transaction
74	Transaction States
75	What is Schedule | Serial vs Parallel Schedule
76	All Concurrency Problems | Dirty Read | Incorrect Summary | Lost Update | Phantom Read
77	Write-Read Conflict or Dirty Read Problem
78	Read-Write Conflict or Unrepeatable Read Problem
79	Irrecoverable vs Recoverable Schedules in Transactions
80	Cascading vs Cascade-less Schedule with Example | Recoverability
81	Introduction to Serializability | Transactions Concurrency and Control
82	Conflict Equivalent Schedules with Example | Transaction Concurrency and Control
83	Conflict Serializability | Precedence Graph | Transaction
84	Why View Serializability is Used | Introduction to View Serializability
85	Shared Exclusive Locking Protocol with Example | Concurrency Control Part-1
86	Drawback in Shared/Exclusive Locking Protocol with Example | Concurrency Control Part-2
87	Phase Locking (2PL) Protocol in Transaction Concurrency Control
88	Drawbacks in 2 Phase Locking (2PL) Protocol with Example | Concurrency Control
89	Strict 2PL, Rigorous 2PL and Conservative 2PL Schedule | 2 Phase Locking in DBMS
90	Basic Timestamp Ordering Protocol with Example | Concurrency Control
91	How to Solve Question on Timestamp Ordering Protocol | Concurrency Control
92	Why Indexing is Used | Indexing Beginning
93	Numerical Example on I/O Cost in Indexing Part-1

94	Numerical Example on I/O Cost in Indexing Part-2
95	Types of Indexes | Most Important Video on Indexing
96	Primary Index with Example | GATE, PSU and UGC NET
97	Clustered Index in Database with Example
98	Secondary Index in Database with Example | Multilevel Indexing
99	Introduction to B-Tree and Its Structure | Block Pointer, Record Pointer and Key
100	Insertion in B-Tree with Example
101	How to Find Order of B-Tree
102	Difference Between B-Tree and B+ Tree with Example
103	Order of B+ Tree | Order of Leaf Node and Non-Leaf Node in B+ Tree
104	Immediate Database Modification in DBMS | Log Based Recovery Methods
105	Deferred Database Modification in DBMS | Log Based Recovery Methods
106	Like Command in SQL with Example | Learn SQL in Easiest Way
107	Basic PL-SQL Programming with Execution Part-1
108	Basic PL-SQL Programming (While, For Loop) with Execution Part-2
109	Single Row and Multi Row Function in SQL
110	Character Function in SQL with Execution | Oracle LIVE
111	View in Database | Oracle, SQL Server Views | Type of Views
112	How Aggregate Functions work on NULL Values
113	What is RAID | RAID 0, RAID 1, RAID 4, RAID 5, RAID 6, Nested RAID 10 Explained
114	Various Object in Database | Oracle, SQL Server
115	Question Explanation on ER Model
116	Questions on DBMS Basic Concepts and Data Modelling
117	Question on Inner, Left, Right and Full Outer Joins Explanations
118	Question on Advance DBMS | BIG Data and Data Warehouse
119	Question on Normalization (Schemas) Explanation
120	Question on Relational Algebra
121	Codd's 12 Rules of RDBMS with Examples
122	CREATE Command (DDL) in SQL with Implementation on ORACLE
123	SEQUENCE in SQL with Syntax and Examples
124	How SQL Query Executes | Order of SQL Query Execution
125	Introduction to Hadoop | What is Hadoop | Hadoop Framework
126	Introduction o BIG Data | Small Data vs BIG Data | Real Life Example
127	Simple vs Complex vs Materialized Views with Examples
128	Foreign Key with On Delete Cascade with Execution
129	Procedures in PL-SQL | Local Procedure vs Stored Procedure
130	How to Fetch Data From Database Using Procedures | PL-SQL Procedure
131	%TYPE and %ROWTYPE in PL-SQL with Examples
132	What is Cursor in PL-SQL with Example

Cybersecurity	
SOURCE: 01	**Google Cybersecurity Certificate**
01	Cybersecurity for Beginners
02	How to Manage Security Risks and Threats
03	Internet Networks and Network Security
04	The Basics of Computing Security: Linux and SQL
05	Cybersecurity Assets, Network Threats and Vulnerabilities
06	Cybersecurity IDR: Incident Detection and Response
07	Fundamentals of Python for Cybersecurity
08	How to Prepare for Your Cybersecurity Career
09	What Does An Information Security Analyst Do
10	Jobs You Can Qualify for By Completing Google Cybersecurity
11	What is A Loop in Python
12	What Are The 8 Cybersecurity Domains
13	What are The 8 Security Domains
14	How Do Operating Systems Work in Cybersecurity
15	What Are Network Tools and Protocols in Cybersecurity
16	What to Know Before Going Into Cybersecurity or Project Management
17	How to Secure Networks in Cybersecurity
18	How to Best Communicate as A Cybersecurity Analyst