Compiler Design 1) Syntax Analysis 2) Syntax Error Handling
3) Elimination of Ambiguity, Left Recursion, Left Jacksing
4) Top Down Parking 5) Computation of first, Jollow 6) Construction of predictive parsing Table. 7) LL(1) Creamas. & Error recovery in Predictive Paring 1) Bottom up Paving, Reductions, Handle Pring 2) Shift Reduce Parsing 3) LR Payer 4) Computation of LEADING, TRAILING 5) SLR Granmar & Parsing Tables 6) Construction of Canonical LR(1) & LALR. Hphhite Syllabous for CT-2 1) HCF, LCM, Highest Exponents, Remainder, Trailing / zeros, unit Digite 2) Percentage, Profit Lou Dis count

3) Time Speed Distance 4) Time & Work 5) Equations

Unit-2

Unit-3

DBMZ

Unit-2

1) Database Design & Design Proces

2) ER Model, ER diagram

3) Key, Attributes & constrainsts

4) Mapping Cardinality

5) Creneralization, Specialization and Aggregation

6) Weak Entity, Stoong Entity

7) Convert ER to Relational Table.

1) Basics of SQL-DDL, DML, DCL, TCL.

2) Structure creation, alternation.

4) Functions: aggregation function, Built in Junctions.
5) Sub Queius, correlated Sub queius; Nested Queius.

Views & it types 6) Transaction Control Commands, Commit, Roll-back, Save point

7) PL/SQL Concept - Curson

8) Stored Procedure, Junction Triggers, Exceptional Handling

9) Overy Procusing

Network Security.

1) IPSEC: Security Association Database, Sewify Policy Dalabase to 1 2 Tour Made Au Unit-2 Dalabase
2) IP header Protection: IPV4 & IPV6 Header, Authentical
Weader 4) Interet key Exchange: Phase I, Phase II
5) ISAKMP | IKE Encoding.

Unit-3

1) Security Surices for E-Mail 27 Establishing Keys: Public & Deurt 3) Privacy: End-to-End 4) Musage integrity, Non-repudiation. 3) Certificate and key sero cation

8) Lignature types, Private key, fing types, Anamalies

9) of the service o s) PGP 6) Efficient Encoding 9) S MIME

Unit-2 1) Scalar Profiling 2) Hardevau Peysonner ce courters 3) Manual instrumentations 1) Simple measure, large impact: - Elimination of common ston subsequence, Arolding bracher, using SIMD inetrochar set 6) Common optimization options: Inlining Alasing Computational accuracy. Using compiler logs. 7) C++ ophinizations: - Temporaries, Dynamic menogy management, Loop Kerners & Herabos. 1) Taxonomy of parallel computing paradigms 2) Shared memory computers 3) Cache Coherence 4) UMA, - CENUMA 5) Dishabuted monory computers, Hybrid Systems 6) Networks - Bosic performance characteristics of networks.
7) Boses, Switched and Jost-Jostone networks. 8) Mesh rehvork, Hybrids 9> Parallelsons & it types: - Data, Junctional 19) Parallel scalability, & Parallel efficiency. 17 Refined performance models. 12) Load imbalance

:- Uninformed & Informed Unit-2 1) Searching techniques (DFS, BFS, DLS, Bidrahord (A*, BFS, Ao*, Jeul dimbig)
Methods: - Game playing 2) Generic Algorithm 3) Adversarial Search

4) Mini max algo 5) Alpha buta pring

Unit-3

1) Knowledge and reasoning 12) Knowledge base agents - Logic: - Propositional & Predicat 3) Unification & resolution 3/ Unification à resolution using ordes, semantic nets, frames
4) knowledge representation using ordes, semantic nets, frames 5) Uncertain knowledge and reasoning 6) Bayesian probability 2) Probabilitie reasoning 87 Forward & Backward reasoning 9> Other unestain techniques: Data Mining, Fuzzy logic 19) Denfster-stage theory.