

Syllabus for Sandip University Joint Entrance Exam(SU-JEE)

Exam Name – SU-JEE M.Tech Computer Science & Engineering

| S. N. | Subject Head | Contents | No of Questions |
|--------------|---|--|-----------------|
| 1 | Data Structures & Algorithms | Basic Concepts of C-Programming- Control Statements, Looping Statements, Decision Making Statements, Arrays, Functions, Pointers and Structures, Stack, Queue, Linked List, Tree and Graphs | 25 |
| 2 | Operating Systems | Basics of Operating Systems, Services of OS, Evolution of Operating Systems, Processes and Threads, Principles of Concurrency, Semaphores, Message Passing, Deadlock, Resource Allocation, Memory management | 25 |
| 3 | Databases | Data Model, Schema, ER Model, , Entity: Types, Sets and Value Sets, Attributes, Mapping Cardinality, Relational Database, Structured Query Language (SQL), SQL commands, DML, Normalization | 25 |
| 4 | Computer Networks | OSI Model, TCP/IP Model, Transport Layer: Services, Addressing, Flow Control, Connection Handling, Sockets, Network Layer: Addressing, Routing, Networking Devices, Protocols: DNS, SMTP, TCP,UDP, IP, ICMP | 25 |
| Total | | | 100 |