ixam Bee

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Study Plan

Professional Knowledge

NABARD IT Recruitment 2023

Week	Day	Subject	Topic
	Day 01	Operating System	Introduction to operating system and system call
	Day 02	Operating System	Introduction to Process management and Process scheduling. Introduction to Multi threading
	Day 03	Operating System	Critical section and deadlock concept
	Day 04	Operating System	Paging, segmentation and File management
	Day 05	Data Structure	Array, Linked List
	Day 06	Data Structure	Stack, Queue
Week 01	Day 07	Data Structure	Graph, Trees
	Day 01	Data Algorithms	Searching and sorting
	Day 02	Data Algorithms	DAC , DP and Greedy Approach
	Day 03	Data Algorithms	Hashing
	Day 04	Revision	Revision of Concepts read till now
	Day 05	Revision	Revision of Concepts read till now
	Day 06	Revision	Revision of Concepts read till now
Week 02	Day 07	DBMS	Introduction and file management system
	Day 01	DBMS	Keys and Normalization, E-R model
	Day 02	DBMS	Transaction and concurrency control mechanism
	Day 03	DBMS	Transaction and concurrency control mechanism
	Day 04	DBMS	RAID structure and Backup and recovery
	Day 05	SQL	SQL - DDL, DML, DCL commands with aggregate functions
	Day 06	SQL	Practice Queries [Simple queries]
Week 03	Day 07	SQL	Practice Queries[Nested Queries]
	Day 01	Revision	Revision of Concepts read till now
	Day 02	Revision	Revision of Concepts read till now
	Day 03	Networking	Introduction and network devices
	Day 04	Networking	OSI Model , TCP/IP Model
	Day 05	Networking	Layer 1- 3 of OSI Model
	Day 06	Networking	Layer 4-7 of OSI Model
Week 04	Day 07	Networking	TCP/IP Transmission, Token Ring

	Day 01	Networking	ALOHA and Slotted ALOHA, Routing protocols
	Day 02	Networking	IP concepts
	Day 03	Networking	Application Layer Protocols
	Day 04	Revision	Revision of Concepts read till now
	Day 05	Revision	Revision of Concepts read till now
	Break for focusing on Phase I - to be resumed after Phase I		
	Day 06	Programming Concepts	Basics syntax and keywords of C/ Java language
Week 05	Day 07	Programming Concepts	Control Statements
	Day 01	Programming Concepts	Loops
	Day 02	Programming Concepts	Conditional Statements
	Day 03	Programming Concepts	Structure , Class, union
	Day 04	Programming Concepts	Functions, Parameter Passing Techniques
	Day 05	Programming Concepts	Pointers
	Day 06	Programming Concepts	DMA in C language
Week 06	Day 07	Programming Concepts	Collections in JAVA
	Day 01	OOPS	OOPS Concepts
	Day 02	OOPS	Encapsulation in detail
	Day 03	OOPS	Abstraction in detail
	Day 04	OOPS	Inheritance in detail
	Day 05	OOPS	Polymorphism in detail
	Day 06	OOPS	Aggregation , composition and association concept
Week 07	Day 07	Revision	Revision of Concepts read till now
	Day 01	Revision	Revision of Concepts read till now
	Day 02	Software Engineering	Introduction to SE
	Day 03	Software Engineering	Coupling and cohesion , SDLC model
Week 08	Day 04	Software Engineering	COCOMO Model

	Day 05	Software Engineering	Costing Estimate Technique
	Day 06	Web Technology	Introduction to Web, History of Web
	Day 07	Web Technology	HTML, CSS [Basic level], XML, MVC Architecture
Week 09	Day 01	Web Technology	Web Browser , servlet , applets
	Day 02	Cyber Security	Introduction , Types of attacks
	Day 03	Cyber Security	Malware , Hacking Concepts, Social Engineering
	Day 04	Data Warehouse	Introduction, Concepts of warehousing
	Day 05	Data Warehouse	Data Mining , Data Mart, Data Cube, OLAP, OLTP
	Day 06	Data Science	Data Analytics, Basic of Python
	Day 07	Revision	Revision of Concepts read till now
Week 10	Day 01	Emerging technology	Big Data, Hadoop
	Day 02	Emerging technology	Block chain, AI , ML
	Day 03	Emerging technology	NLP, IOT
	Day 04	Miscellaneous Topics	JDBC -ODBC Bridge, Numerical and statistical computing
	Day 05	Miscellaneous Topics	Basics of shell scripting, Linux commands, UNIX basics
	Day 06	Revision	
	Day 07	Revision	

ixamBee Expert Faculty

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Expert for IT & Computer Awareness

- Jayanti has done B.tech in Information Technology and is also a GATE Rank holder
- She has work experience of more than 5 years in IT industry
- She also has teaching experience of more than 2 years
- She has cleared competitive exams like IBPS PO & ESIC

Jayanti Mishra