Technology	Exam	Syllabus
Mainframe	Cycle May'22	DB2, Cobol, JCL, CICS
D/W & Informatica	May'22	DW:- Datamart Metadatarepository Dimensional Data Model. Star "Snowflake Schema. Slowly Changing Dimension. Conceptual "Logical & Physical Data Model Partitioning SQL,RANK,DENSE_RANK Informatica:- ETL Types of Extracts Transformations - Join,Cache,Lookup source & targets mapping, session, workflow Designer, Workflow Manager, Workflow Monitor, Repository Manager applications PMCMD commands
D/W & Tableau	May'22	DW:- Datamart Metadatarepository Dimensional Data Model. Star Snowflake Schema. Slowly Changing Dimension. Conceptual Logical & Physical Data Model Partitioning SQL,RANK,DEIMSE_RANK Tableau:- Dimensions and measures Types of charts Structure Data for Analysis Field Types: Dimensions and Measures, Blue and Green Data Types Tableau's Order of Operations Data Aggregation in Tableau Functions, LOD

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Automation Testing & HP UFT	May'22	Topics on Automation Testing: what is automation testing, why is automation testing
		needed, benefits of automation testing, when to automate,
		decide best automation tools, why not to automate, end to
		end testing
		end testing
		Topics on HP UFT:Checkpoints - Text, Text Area, Standard,
		Bitmap,
		Output - Text, Standard,
		Objects - Import, Read, Change Data from EXCEL, Object Spy,
		Object Spy,
		GetRoProperty, GetToProperty, SetTOProperty,
		Object Identification, Smart Identification, Ordinal Identifier,
		Virtual Objects,
		Types of Recording Modes: Analog, Low Level, Context,
		Functions,
		Transactions,
		Actions,
		Recovery Scenario
Automation Testing &	May'22	Topics on Automation Testing:
Selenium		
		what is automation testing, why is automation testing
		needed, benefits of automation testing, when to automate,
		decide best automation tools, why not to automate, end to end testing
		chatesting
		Topics on Selenium:
		Selenium webdriver, webdriver commands, navigation
		commands, webelement locators, webelement commands,
		select class, javascript executor, alert handling, selenium wait
		commands, window handle, frame handle, action class, file
		upload, options class
Win 10 Admin	May'22	Implementation:- clean install, create installation media,
		migrate to Windows 10, and configure and manage device
		drivers
		Manage & Maintain :- configure updates, monitor events and
		performance, back up and restore files, recover the entire
		system, and configure OneDrive for Business. She touches on
		Windows Defender, System Restore, Windows Insider,
		Resource Monitor etc
		Configure and Support Core Services :- networking, storage,
		data access and usage, and Remote Management, Windows Assessment and Deployment Kit,
		Assessment and Deployment Mit,
		Powershell :- Basic Commands, Passing parameters to
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		Commands, Working with Pipeline, Variables, Program flow etc
		PowerShell for Active Directory Administrators :- Console, ISE, User Account & Group account Management, Inactive accouts, Update & Modify Active Directory,
		Remote Management, ADAC features, Recycle Bin,
Linux Admin	May'22	
		Installation, Fundamentals, Intermediate skills, System
		Logging & Boot process, Disk Management, Logical Volume
		Manager, User Management, Networking,
		Permissions, Shell scripting, Advanced Skills,
SAP ABAP	May'22	Core ABAP topics including DDIC, Classical Reports,
		Interactive Report, Data Declaration, Internal Tables, Select
		Query, Events, Modularization Technics, ALV and
Oracle PL/SQL	May'22	SMartForms. SOL GROUDBY ORDERBY WITH Aggregato
Oracle PL/SQL	iviay 22	SQL-GROUPBY,ORDERBY,WITH,Aggregate operations,constraints,indexes etc
		PROCEDURE, FUNCTION, PACKAGE
		CURSOR, EXCEPTIONS, VIEWS, Materialized Views
		Trigger
Angular	May'22	Server-side/Client-side Rendering, AOT compilation,
		Understanding about Angular versions, Components,
		Modules and Services, Dependency Injection, Directives,
		Routes and Forms, Types of Bindings, Component lifecycle
		hooks, Observable-Promise-Subscription, Sharing data
		between components, HTTP Client, Interceptors, NGRX/Store,
		State Management, Action-Reducer-Effects, Angular testing -
		Unit/ e2e testing
Power Platforms	May'22	Web pages, Power Apps,
		Table relationships,
		Tables in Dataverse,
		Power Virtual Agents,
		Bot
		General Data Protection Regulations
		Set up Power Bl integration
		Portal Search
		Roles and Permissions in portals
		Forms and Lists
		Portal Management app
		Components Starter Dortal
		Starter Portal Portal Architecture
		Portal Architecture
		Canvas APP Dataverse
		Dataverse Data Connectors
		Build an automated solution
		Dully all automated Solution

		Power Apps portals
		Server side synchronization
		Manage Data
		Templates
		Audit and Logs
		Field level security to control access
		Dataflows
		Models in Al Builder
		Data loss prevention policies
		Expressions in Power Automate
		Columns
		Encryption
		Power BI
		Model Driven APP
		Enhance Power Virtual Agents bots
		Logical Branching
		Immersive business process flow in Power Automate
		Security in Microsoft Dataverse
		Solutions
		Actions
		Workflows
		Business process flows in Power Automate
		Build a basic chatbot
		Build a simple dashboard
		Environments
		Bot topics
Microservices	May'22	Introduction to Microservices & Design Principles
		Monolithic Architecture
		SOA Architecture
		Key benefits of Microservices
		Challenges in Microservices
		Comparisons between Monolithic, SOA and Microservices
		API Gateways for Microservices, Service discovery & registry,
		Data management, Service deployment, Caching and Security
		Microservices: Process and Organization
		Integrating Microservices
		Microservice technologies
		Decomposing Monolith
		Deployment & Maintaining
		deployment microservices with container, container
		technology & serverless introduction
		Commoney & convenious introduction

Java	May'22	OOPS concepts (Data Abstraction, Encapsulation, Inheritance, Polymorphism) Basic Java constructs like loops and data types String handling Collection framework Multithreading Exception handling Generics Synchronisation Serialisation & De-serialisation Concurrent collection JDBC (Java Database Connectivity) Springboot
.NET (Core, ASP.NET)	May'22	Introduction to ASP.Net Core What is .Net Core .Net Core VS .Net Framework Overview of .Net Core & its architecture ASP.net core MVC with EF core REST and WebAPI Introduction to MVC Configuring MVC Controllers and Action, Razor views MVC Application Routes Models and Unit Testing Entity Framework core, code first, database first approach UI Layout of application Data and State Management Implementing Authentication Authorization and Handling Exceptions Debugging application Troubleshooting, HTTP Modules, & Handlers Middleware, Dependency injection, Exception Handling, Logging and caching in asp.net core RestFul Webservices Introduction to Rest API Rest Based Architecture Resources in Rest Working with REST Mesthods API creation a. API design strategies b. API creation process and Methodology c. Domain Analysis d.Headers e.Media types f. Media Type Design g. Message body format h. Hypermedia Representation i. Media type Representation j. Error Representation ASP.NET webapi using REST a. Getting Started with webapi b. Model Validation c. Routing and Custom Methods

d.sorting,paging,searching e. Authentication and Authorization F. Caching g. Swagger for API testing and documentation

C#	May'22	C# Foundation C# Control Statement
		C# Function
		C# Arrays
		C# Object Class
		C# Properties
		C# Inheritance
		C# Polymorphism
		C# Abstraction
		C# Namespace
		C# Strings
		C# Exception Handling
		C# File 10
		C# Collections
		C# Generics
		C# Delegates
		C# Multithreading
		C# Synchronization
		C# Web Services
		Asynchronous Programming
		Lambda Expression
		Extension method
		Reflection
ServiceNow	May'22	ServiceNow Fundamentals
		SERVICE NOW ITSM AND ADMINISTRATION
		ServiceNow Developer fundamentals
Performance Testing	May'22	Performance Testing fundamentals
		Jmeter
		Loadrunner
		NeoLoad
		Performance Monitoring Fundamentals (basics/optional)
		Splunk Core
		Appdynamics
		Dynatrace
		Others:
		Zabbix
		Scripting - Java, Shell, VB
IOS	May'22	Swift basics - collections, optionals, protocols, exntensions Auto layout constraints Design patterns - MVC, MVVM, ViperCore Data, user defaults Notification Center Navigation controllers,
		seguesURL sessionJSON parsingInterface builderTable
		viewsMemory management (ARC)GCDUIViewController
	; ₇	lifecycle

Android	May'22	Kotlin (All concepts like Data class, Open class etc) ConstrainLayouts LiveData Android jetpack components: Navigation, Data Binding, RoomDB, Paging MWM Android deep linking Shared preferences Recyclerview, Activity lifecycle and fragment lifecycle
Python 3	May'22	Basics Keywords Namespaces and scope Statement, Indentation and comments Input/output Operators Data Types Control Flow Modules & Functions OOPS Exception Handling File Handline Regex Collections List and Tuples Dictionaries and Sets Using Databases in Python Generators, Comprehensions and lambda expressions

Scala	May'22	Basics
		Control Statements
		OOPS
		Parameterized – Type
		Exceptions
		Scala Annotations
		Methods
		String
		Scala classes
		Scala Packages
		Scala Traits and abstract classes
		Collection
		Map
		Scala Options
		Tuples
		sbt and scalatest
		Functional Programming
		Case classes