Indicative Syllabus for CBT/Written Examination

(Advertisement No. 06/2022 dated 24.12.2022)

Scheme of examination:

Exam Format – CBT/Written Test will be of 120 minutes duration with 120 objective type questions.

	Name of the Test	No. of Qs.	Max. Marks	Version	Time
1	Professional Knowledge	60	90	Hindi & English language except English language section	Composite time of 120 Minutes
2	General Awareness	15	15		
3	English Language	15	15		
4	Logical Reasoning	15	15		
5	Quantitative Aptitude	15	15		
	Total	**120**	150		

Syllabus for Deputy Manager (Application Developer)

1. Object Oriented Programming Concepts
2. Data structures
3. Fundamental database concepts
4. Server & client side development and their frame work
5. Software development framework concepts
6. OS concepts including Embedded systems
7. Web development technologies
8. C# / Java / Javascript/ ASP.NET/ PHP fundamentals

Syllabus for Deputy Manager (Cyber Security)

1. Cyber security fundamentals – design & analysis
2. Cyber Security related issues. – Malware analysis, Phishing, Password & authentication, physical security, social media use, removal media
3. Hardware & Network Security Tools and Technologies (Firewall, IDS/IPS etc.)
4. Data Privacy and Data Security
5. Mobile & Web application security
6. IT Audit concepts
7. Cyber security management, compliance and governance.
8. Cyber Law in India

Syllabus for Deputy Manager (Open Source Application Developer)

1. Object Oriented Programming Concepts
2. Data structures
3. Fundamental database concepts
4. Software Engineering
5. Server & client side development and their frame work
6. Issues relating to opens source software
7. Open source Licenses – Types & comparison
8. MySQL/ MariaDB/ PostgreSQL/ NoSQL/ MongoDB/ MS SQL/ Oracle fundamentals

Syllabus for Deputy Manager (IT hardware & Networking)

1. Fundamentals of Information technology & operating systems
2. Data Communication & Computer Networks
3. Network operations & management - Switching/routing/architecture etc
4. Concepts on Cyber Security threats, risk management, building cyber resilience etc
5. Network Security - Hacking & patching, Firewall/IDS/IPS
6. Cloud computing & technologies
7. Windows & Linux based server level concepts
8. Data center – Operation & security level concepts

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