SECTION B:

- ## Computer Fundamentals
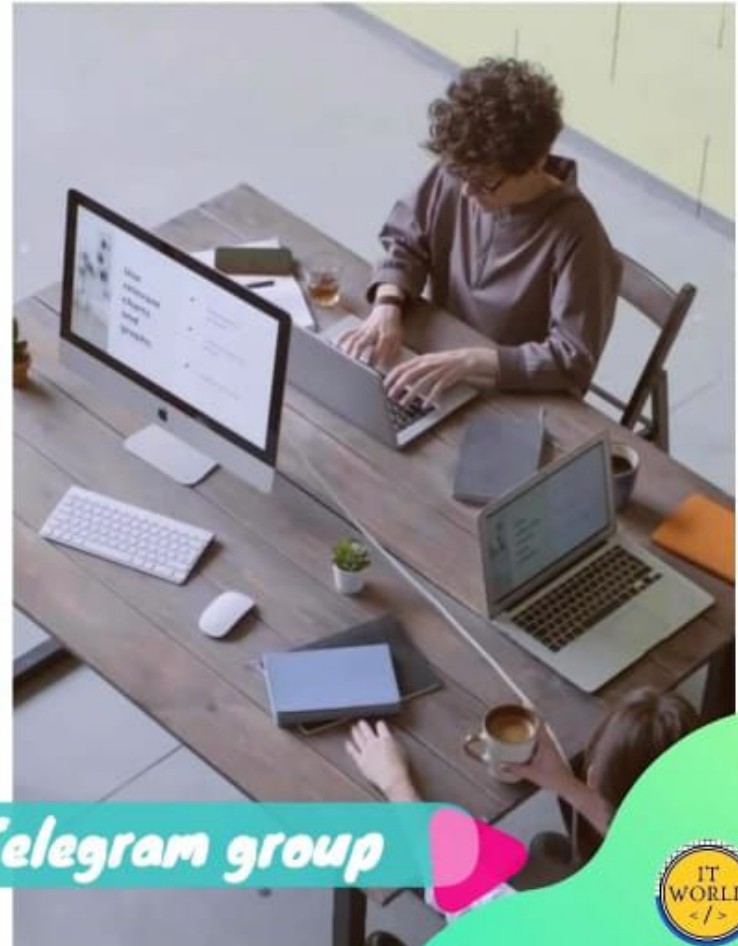
Books :

1.Foundations of Computing (Pradeep Sinha & Priti Sinha)

Websites : (Concepts)

1.Tutorialspoint

2.javaTpoint

Youtube Channel

1.Tutorialspoint

Join Telegram group

SECTION B:

- ## C Language : (15 Ques)

2

Books :
1.Let Us C (Yashavant Kanetkar)
2.C Programming (Dennis ritchie)

Youtube Channel
1.Naresh IT
2.Saurabh Shukla sir
3.codewithharry
4.Neso Academy

Websites : (MCQ Solving)
www.indiabix.com
www.sanfoundry.com
www.freetests4u.com
www.programizz.com

SECTION B:

- ## C Language : IMP TOPICS

IMP Topics :

1. Data types, operators, loops
2. Functions
3. Pointers
4. Strings
5. Array
6. Pre-processors
7. Structure, union
8. Enum
9. typedef, Macro

3

SECTION B:

- ## Data Structures : (8 Ques)

Books :
1. Data Structures Through C in Depth
(S. K. Srivastava)
2. Sunbeam Black book

Websites : (MCQ Solving)
www.indiabix.com
www.sanfoundry.com
www.Allindiaexams.com
www.Examveda.com

Youtube Channel
1. Saurabh Shukla sir

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SECTION B:

- ## Data Structures : IMP TOPICS

IMP Topics :
1. Algorithm
2. Time Complexity
3. Sorting & Searching
4. Stack
5. Queue
6. Linked-list
7. Tree
8. Graph

5

SECTION B:

• Object Oriented Programming Concepts

10 Ques

Books :

1.Test Your C ++ Skills (Yashavant Kanetkar)

2.Sunbeam Notes (Black Book)

3.Tutorials point notes

Websites : (MCQ Solving)

www.indiabix.com

www.sanfoundry.com

www.freetests4u.com

www.Examveda.com

Youtube Channel

1.Saurabh Shukla Sir

SECTION B:

• Object Oriented Programming Concepts

IMP Topics :

1. Class & Object
2. Inspectors, Mutators, Constructors & Destructors
3. Cin, Cout, malloc, calloc, Default arguments, inline functions.
4. Function Overloading, Operator overloading.
5. Abstraction, encapsulation, Polymorphism, Inheritance
6. Friend function, friend class.
7. Data member ,member function acess specifier

SECTION B:

- ## Operating system (10 ques)

Books :

1.Operating System Principles (Silberschatz, Galvin, Gagne)

2.Sunbeam Notes (Black Book)

Youtube Channel

1.Gatesmasher

Websites : (MCQ Solving)

www.indiabix.com

www.sanfoundry.com

www.Allindiaexams.com

www.Examveda.com

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SECTION B:

- ## Operating system: IMP Topics(10 ques)

IMP Topics :
1. Memory Management
2. Page Faults
3. Segmentation Paging
4. Deadlock
5. Fragmentation
6. Unix /Linux/(Based General Ques)
7. Process States
8. DispatcherThreads

SECTION C :

- **Digital Electronics (20 ques)**

10

Books :

1.Modern Digital Electronics (R. P. Jain).

Websites : (MCQ Solving)

www.indiabix.com

www.sanfoundry.com

www.Allindiaexams.com

Youtube Channel

1.Neso academy

2.Totorials point

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SECTION C:

- **Digital Electronics : IMP Topics (20 ques)**

IMP Topics :
1. Number System
2. Combinational Circuits
3. Sequential Circuits
4. Logic Families

SECTION B:

- ## Computer Architecture (15 ques)

Books :

1.Computer Organization & Architecture
(William Stallings))

Websites : (MCQ Solving)

www.indiabix.com

www.sanfoundry.com

www.Examveda.com

Youtube Channel

1.Gate Smasher

SECTION B:

• **Computer Architecture: (IMP Topics) (15 ques)**

IMP Topics :
1. Machine Instructions
2. ALU Data path
3. CPU Control unit design , Memory interfacing
4. Memory (cache, Main memory, secondary memory)
5. Types of RAM Memory, Types of ROM memory

13

SECTION B:

- ## Microprocessor (15 ques)

Books :

1.Microprocessor Architecture, Programming & Applications with 8085 (Ramesh Gaonkar)

Youtube Channel

1.Topic Wise search on youtube

Websites : (MCQ Solving)

www.indiabix.com

www.sanfoundry.com

www.Examveda.com

SECTION B:

- **Microprocessor (IMP Topics) (15 ques)**

IMP Topics :
1. Classification of microprocessor
2. Microprocessor 8085
3. 8085 Architecture
4. Interrupt (Classification of interrupts, Interrupt Handling Procedure)