12th computer science one word questions and answers for tamil medium

12th computer science one word questions and answers for tamil medium are a valuable resource for students preparing for their examinations. These concise, single-word questions help reinforce key concepts, terminologies, and definitions essential for understanding computer science at the 12th-grade level. This article provides a comprehensive guide to these questions and answers, organized to facilitate effective learning and revision, especially for Tamil medium students.

Introduction to One Word Questions in Computer Science

What are One Word Questions?

One word questions are short, precise questions designed to test students' knowledge of specific terms, concepts, or definitions in computer science. They typically require a one-word answer that accurately represents the core idea behind the question.

Importance of One Word Questions for Tamil Medium Students

For Tamil medium students, mastering one word questions helps:

1. Enhance quick recall of important terminologies
2. Improve exam confidence and accuracy
3. Strengthen foundational understanding of computer science concepts
4. Prepare effectively for short-answer sections in exams

Common Topics Covered in 12th Computer Science One Word Questions

1. Hardware and Software

Understanding the physical components and software systems is fundamental.

2. Data Structures and Algorithms

Key to problem-solving and efficient data management.

3. Programming Languages

Familiarity with languages like C++, Java, and Python.

4. Computer Networks and Internet

Basics of networking, protocols, and internet technologies.

5. Operating Systems

Functions and types of OS like Windows, Linux.

6. Database Management

Terms related to databases, SQL, and data storage.

7. Cybersecurity and Ethics

Security threats, encryption, and ethical considerations.

Sample 12th Computer Science One Word Questions and Answers for Tamil Medium

Hardware and Software

1. **CPU:** Processor
2. **Monitor:** Display
3. **Keyboard:** Input
4. **Printer:** Output
5. **Operating System:** OS

Data Structures and Algorithms

1. **Array:** Collection
2. **Stack:** LIFO
3. **Queue:** FIFO
4. **Linked List:** Nodes
5. **Sorting:** Arrange

Programming Languages

1. **C++:** Object-oriented
2. **Java:** Portable
3. **Python:** Interpreted
4. **HTML:** Markup
5. **SQL:** Query

Computer Networks and Internet

1. **LAN:** Local
2. **WAN:** Wide
3. **HTTP:** Protocol
4. **IP:** Address
5. **Router:** Forwarder

Operating Systems

1. **Windows:** GUI
2. **Linux:** Open

3. **Process:** Task
4. **File:** Storage
5. **Kernel:** Core

Database Management

1. **DBMS:** System
2. **SQL:** Language
3. **Table:** Records
4. **Record:** Row
5. **Field:** Column

Cybersecurity and Ethics

1. **Firewall:** Security
2. **Encryption:** Secure
3. **Virus:** Malware
4. **Phishing:** Fraud
5. **Ethics:** Morality

Tips for Preparing One Word Questions

1. Focus on Definitions

Understand the precise meaning of key terms and terminologies.

2. Use Mnemonics and Associations

Create memory aids to remember complex concepts easily.

3. Practice Regularly

Solve previous years' questions and mock tests to improve recall.

4. Group Study

Discuss and quiz peers to reinforce learning.

5. Refer Standard Textbooks

Use NCERT Tamil medium textbooks and reference materials for accurate information.

Benefits of Using One Word Questions for Exam Success

1. **Quick Revision:** They help in revising a large syllabus efficiently.
2. **Time Management:** Short questions save time during exams.
3. **Confidence Building:** Clear understanding boosts exam confidence.
4. **Foundation Building:** Strengthen core concepts for

advanced topics.

Conclusion

Mastering 12th computer science one word questions and answers in Tamil medium is an effective way to excel in exams. These questions encapsulate essential concepts in a concise format, making revision simpler and more efficient. Regular practice, understanding the core ideas, and staying updated with the latest terminologies will significantly enhance students' performance. Use this guide as a resource to strengthen your knowledge base and achieve your academic goals in computer science. Note: For optimal preparation, students should supplement these questions with detailed study of textbooks, practical exercises, and mock tests.

12th Computer Science One Word Questions and Answers for Tamil Medium In the realm of 12th-grade computer science education, particularly for students studying in Tamil medium, mastering one-word questions and answers is an essential aspect for excelling in exams and grasping fundamental concepts efficiently. These concise questions are designed to test students' quick recall and understanding of core terminology, concepts, and definitions. They form a crucial part of the examination pattern, often appearing in both objective and subjective papers, demanding precise, accurate, and succinct responses. This article provides a comprehensive

review of the most important one-word questions and their answers, tailored specifically for Tamil medium students, along with detailed explanations to deepen understanding.

Understanding the Importance of One-Word Questions in 12th Computer Science

Why Are One-Word Questions Significant?

One-word questions serve as an effective tool for assessing students' familiarity with key terminologies and concepts in computer science. Their significance lies in: - Quick Recall: They test students’ ability to recall definitions or concepts swiftly, which is crucial during exams with time constraints. - Concept Clarity: They promote clarity in understanding fundamental terms, ensuring students build a solid foundation. - Exam Preparation: These questions are often repeated or closely resemble previous years’ questions, making them vital for revision. - Efficient Learning: Focusing on one-word answers simplifies complex topics, helping students remember essential points without ambiguity.

Challenges Faced by Tamil Medium Students

Students studying in Tamil medium often face challenges with technical terminologies due to language barriers. Hence,

providing a well-structured list of one-word questions and answers in Tamil can significantly aid their learning process, ensuring they are well-prepared for their exams and future academic pursuits.

Key Topics Covered in 12th Computer Science One Word Questions

The one-word questions span a wide range of topics within the 12th-grade syllabus. To facilitate comprehensive preparation, these are categorized as follows: - Data Structures - Operating Systems - Computer Architecture - Programming Languages - Networking & Internet - Database Management - Software Engineering - Cyber Security - Emerging Technologies Each category contains frequently asked questions that are critical for exam success.

Data Structures

1. Array

- Question: What is a collection of elements stored in contiguous memory locations? - Answer: Array

2. Stack

- Question: Which data structure follows the Last In First Out

(LIFO) principle? - Answer: Stack

3. Queue

- Question: Which data structure operates on the First In First Out (FIFO) basis? - Answer: Queue

4. Linked List

- Question: A data structure where elements are connected via pointers is called? - Answer: Linked List

5. Tree

- Question: Hierarchical data structure with nodes called? - Answer: Tree

6. Graph

- Question: Data structure consisting of vertices and edges? - Answer: Graph Analysis: Understanding these fundamental data structures is crucial because they form the backbone of efficient algorithm design. Recognizing their properties in a single word can help in quick problem-solving and coding.

Operating Systems

7. Kernel

- Question: Core component of an OS that manages hardware?
- Answer: Kernel

8. Process

- Question: An executing instance of a program is called? - Answer: Process

9. Deadlock

- Question: A state where processes wait indefinitely due to resource conflict? - Answer: Deadlock

10. Scheduler

- Question: Part of the OS that manages process execution order? - Answer: Scheduler Analysis: These terms are vital for understanding how operating systems function internally. Recognizing them in one word aids students in grasping OS mechanics swiftly.

Computer Architecture

11. ALU

- Question: Which component performs arithmetic and logical operations? - Answer: ALU (Arithmetic Logic Unit)

12. Register

- Question: Small storage location within the CPU? - Answer: Register

13. Cache

- Question: Small-sized high-speed memory located close to CPU? - Answer: Cache

14. Bus

- Question: Communication pathway for data transfer within a computer? - Answer: Bus Analysis: Mastering these architecture-related terms is fundamental for understanding how computers process data at hardware level.

Programming Languages

15. Compiler

- Question: Translates high-level language to machine code? - Answer: Compiler

16. Interpreter

- Question: Executes code line by line without translating entirely? - Answer: Interpreter

17. Syntax

- Question: Set of rules governing language structure? - Answer: Syntax

18. Variable

- Question: Storage location identified by a name? - Answer: Variable Analysis: These core programming terms are vital for understanding code translation and execution processes.

Networking & Internet

19. Protocol

- Question: Set of rules for data communication? - Answer: Protocol

20. IP

- Question: Addressing system used in networks? - Answer: IP (Internet Protocol)

21. Router

- Question: Device forwarding data packets between networks? - Answer: Router

22. LAN

- Question: Network connecting computers within a limited area? - Answer: LAN (Local Area Network) Analysis: Understanding these terms offers insights into how data travels across networks and the infrastructure behind the internet.

Database Management

23. DBMS

- Question: Software for managing databases? - Answer: DBMS (Database Management System)

24. SQL

- Question: Language used to query databases? - Answer: SQL

25. Table

- Question: Collection of related data entries? - Answer: Table

26. Record

- Question: Single data entry in a table? - Answer: Record Analysis: These terms are essential for understanding how data is stored, retrieved, and managed efficiently.

Software Engineering

27. Algorithm

- Question: Step-by-step procedure for solving a problem? - Answer: Algorithm

28. Debugging

- Question: Process of finding and fixing errors? - Answer: Debugging

29. Prototype

- Question: Early sample model of a system? - Answer: Prototype

30. Testing

- Question: Process to evaluate software quality? - Answer: Testing Analysis: Familiarity with these terms helps in understanding the software development lifecycle.

Cyber Security

31. Virus

- Question: Malicious software that infects systems? - Answer: Virus

32. Firewall

- Question: Security device controlling network access? - Answer: Firewall

33. Phishing

- Question: Fraudulent attempt to acquire sensitive info? - Answer: Phishing

34. Encryption

- Question: Process of converting data into secure code? - Answer: Encryption Analysis: Understanding these security terms is crucial for protecting information in digital environments.

Emerging Technologies

35. AI

- Question: Simulation of human intelligence by machines? - Answer: AI (Artificial Intelligence)

36. IoT

- Question: Network of interconnected devices? - Answer: IoT (Internet of Things)

37. Blockchain

- Question: Distributed ledger technology? - Answer: Blockchain

38. Cloud

- Question: Remote data storage and computing service? - Answer: Cloud Analysis: These cutting-edge terms are shaping the future of technology and must be familiar to students aspiring for careers in tech.

Conclusion: Strategic Preparation for Tamil Medium Students

For Tamil medium students, mastering one-word questions and answers in computer science is not merely about rote memorization but about developing a deep conceptual understanding. It is essential to: - Regularly revise core terminologies. - Understand the context and application of each term. - Practice with previous question papers to familiarize with question patterns. - Use Tamil explanations alongside English terms for better clarity. - Engage in group discussions and quizzes to enhance recall. By systematically learning and internalizing these key terms, students can significantly improve their exam performance and lay a

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Over time, the presence of a reliable resource builds confidence. Questions feel more manageable when information is always within reach.

In the end, accessing ***12th Computer Science One Word Questions And Answers For Tamil Medium*** in this way supports steady growth. It blends learning into everyday life, allowing understanding to develop gradually and naturally, guided by curiosity rather than pressure.

Questions & Answers About 12th computer science one word questions and answers for tamil medium

No	Question	Answer
1	What is the full form of CPU?	Central Processing Unit

2	What does RAM stand for?	Random Access Memory
3	What is the primary language used in Tamil medium computer science?	Tamil
4	What is the meaning of OS?	Operating System
5	What does URL stand for?	Uniform Resource Locator

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