“Successful and unsuccessful people do not vary greatly in their abilities. They vary in their desires to reach their potential.” — John Wooden

PRACTICE PAPER

TEST YOUR COMPUTER SCIENCE SKILLS

Achint Kaur, PGT, head of department Computer Science, DPS, Chandigarh, has set a Practice Paper for you. Check your score...

01. What is the role of a programmer in software development? A programmer is primarily responsible for writing and testing code. They ensure that the code functions correctly and meets the requirements of the software. Programmers also work closely with other members of the development team, including designers and project managers, to ensure that the software is developed efficiently and effectively.

02. Why is a backup of the source code important? A backup of the source code is essential to prevent data loss in case of hardware failure, system crashes, or any other unexpected events. It also ensures that the software can be easily restored and updated as needed.

03. What are the different types of databases used in software development? The different types of databases used in software development include relational databases (like MySQL, PostgreSQL), NoSQL databases (like MongoDB, Cassandra), and graph databases (like Neo4j, Apache TESI).

04. Explain the difference between a procedural and an object-oriented programming language. In procedural programming, the code is structured in a linear sequence of statements, while in object-oriented programming, the code is structured around objects and their interactions.

05. What is the role of a software tester? A software tester verifies the correctness of the software by testing it thoroughly against its requirements. They ensure that the software meets all the specified features and functions and works as intended.

06. What is the importance of user interface design in software development? The user interface design is crucial in software development as it affects how users interact with the software. A well-designed user interface makes the software easy to use, increases user satisfaction, and enhances user productivity.

07. How can software testing be automated? Software testing can be automated using tools and scripts that can perform repetitive tasks and test the software against various scenarios.

08. What are the different types of software testing? The different types of software testing include unit testing, integration testing, system testing, and acceptance testing.

09. How can software errors be prevented? Software errors can be prevented by following best practices in software development, such as code reviews, continuous integration, and automated testing.

10. What is the role of a software architect? A software architect is responsible for designing and defining the overall structure of the software system. They ensure that the software is designed to meet the long-term needs of the organization.

FACE EXAMS WITH EASE

In today's fast-moving world, we barely have or 2 minutes to spare for ourselves. But you will be surprised to know you can do a lot to feel energized in that much.

Here are 6 ideas to help you along the way....

1. 11.15 a.m. - Practice Yoga

2. 11.30 a.m. - Walk a Mile

3. 11.45 a.m. - Listen to Music

4. 12.00 p.m. - Shower

5. 12.15 p.m. - Lunch

6. 12.30 p.m. - Read a motivational book

HOW GOOD IS YOUR ENGLISH?

Cambridge English CEF Level C1 Listening

Task 1: You hear four dialogues. Mark each statement (A, B, C, or D) as true or false. Then, answer the question.

Press cue: "Do you agree?" or "Do you disagree?" followed by "I think either A or B is true. Which one is it?"

Example: A is true, B is false, C is true, and D is false.

Task 2: You hear three questions. Select the best answer for each question from the options given.

Example: A is the best answer.

Task 3: You hear a lecture about a novel. Respond to the questions with brief answers.

Example: The novel is about a man's journey towards self-discovery.

Task 4: You hear a conversation about a painting. Answer the questions with short answers.

Example: The painting is a representation of the artist's inner world.