Q.01: \*\*What is Software Review? Define its objectives and types in detail.\*\*

\*\*Software Review\*\* is a process where software artifacts such as requirements specifications, designs, code, and test plans are examined by project personnel, managers, users, customers, or other interested parties for evaluation and feedback.

\*\*Objectives\*\*:

- To identify and fix defects early in the development process.

- To ensure that the software meets its specified requirements.

- To improve the quality of the software by incorporating best practices and standards.

\*\*Types\*\*:

- \*\*Informal Review\*\*: A casual examination of the software by the development team or peers.

- \*\*Technical Review\*\*: A more formal review involving technical experts to assess the software's technical aspects.

- \*\*Management Review\*\*: A review focused on project management aspects such as schedule and resource allocation.

- \*\*Walkthrough\*\*: A step-by-step presentation of the software to stakeholders for feedback.

Q.02: \*\*Explain Software Inspection.\*\*

\*\*Software Inspection\*\* is a formal review process in which software artifacts are examined in detail by a team of peers to identify defects and improve quality.

Q.03: \*\*What is Software Configuration Management?\*\*

\*\*Software Configuration Management (SCM)\*\* is the process of tracking and controlling changes to software artifacts throughout the software development lifecycle. It involves managing baselines, version control, and ensuring that changes are implemented smoothly and correctly.

Q.04: \*\*What is Software Quality Metrics?\*\*

\*\*Software Quality Metrics\*\* are measurements used to quantify the quality of software. These metrics can include measures of code complexity, defect density, test coverage, and customer satisfaction.

Q.05: \*\*Define Quality Function Deployment (QFD).\*\*

\*\*Quality Function Deployment (QFD)\*\* is a methodology used to translate customer requirements into specific product features and process plans, ensuring that the final product meets or exceeds customer expectations.

Q.06: \*\*Discuss about cost in Software Testing.\*\*

\*\*Cost in Software Testing\*\* refers to the expenses incurred in testing activities, including the cost of tools, resources, and infrastructure. It is important to manage testing costs effectively to ensure that the testing process is efficient and provides value to the organization.

Q.07: \*\*Define Boehm's Software Quality Model.\*\*

\*\*Boehm's Software Quality Model\*\* is a model proposed by Barry Boehm that defines software quality in terms of six factors: correctness, reliability, efficiency, integrity, usability, and maintainability. The model emphasizes the importance of addressing these factors throughout the software development process to achieve high-quality software.