

Name: S.M. Rasel
ID: 22-48039-2
Sec: B

Sub: Software Quality and Testing

What is CMM? and explain of 5 level.

Solution: CMM (Capability Maturity Model) is a process improvement model used to evaluate the maturity of an organization's software development process.

It helps an organization understand how capable it is of producing high-quality software at low cost and guides it in improving its processes step by step.

There are five maturity levels in CMM

1. Level 1: Initial

2. Level 2: Repeatable

3. Level 3: Defined

4. Level 4: Managed

5. Level 5: Optimizing

Initial: processes are disorganized, even chaotic. Success is likely to depend on individual efforts and is not considered to be repeatable, because processes would not be sufficiently defined, and

positive has followed software due

2. Repeatable: basic project management tech. are established, and successes could be repeated, because the requisite processes would have been made established, define and documented.
3. Define: an organization has developed its own standard software process through greater attention to documentation, standardization and integration.
4. Managed: an organization monitors and controls its own processes through data collection and analysis.
5. optimizing: processes are constantly being improved through monitoring, feedback from current processes and introducing innovation processes to better serve the organ. particular needs.