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L/Q

Describe prescriptive process Models along with thier Diagrams?

Ans:- There are five prescriptive process Models:-

(•) The Waterfall Model.
(•) Incremental process Model.
(•) Evolutionary process Model.
(•) Concurrent Model
(•) A final Word on Evolutionary Processes

(1•) The Waterfall Model:-

The waterfall model sometimes called the classic life cycle, suggests a systematic, sequential approch to software development that begins with customer specification of requirements and progress through planning, modeling, construction and deployment.

A variation in the representation of the waterfall model is called the V- model.

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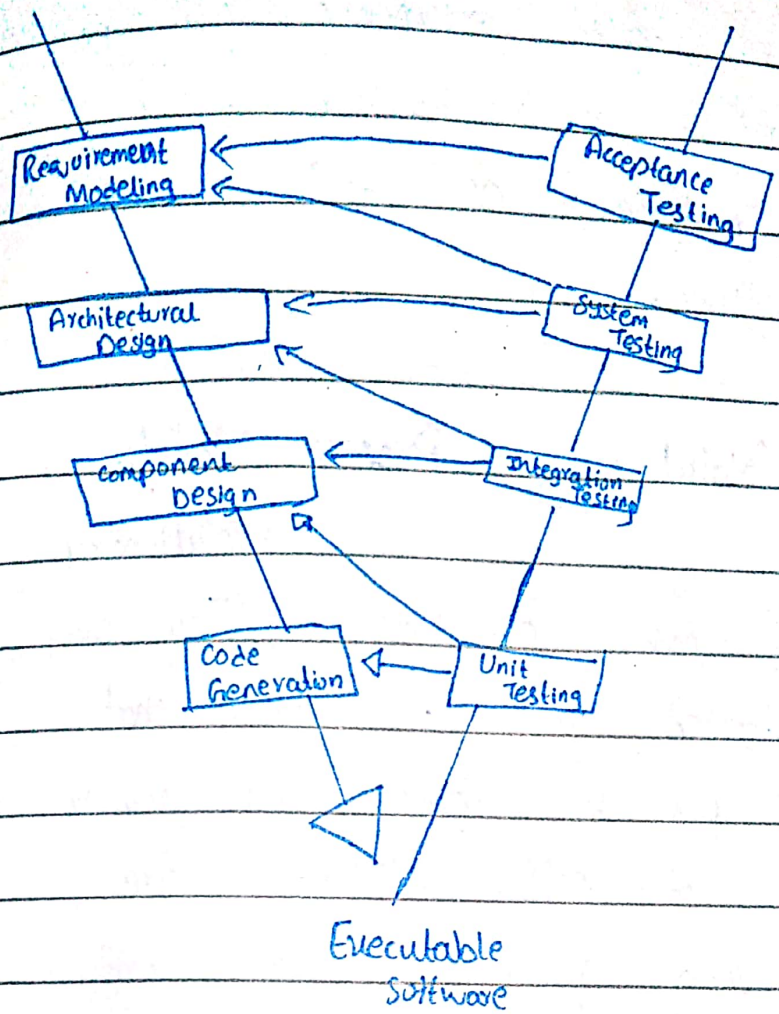

2). Incremental Process model:-

The incremental process model combines elements of linear and parallel process flows. The incremental process model applies linear sequences in a staggered fashion as a calender time progresses. The incremental process model focuses on the delivery of an operational product with each increment. It delivers a series of

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releases called increments, that provide progressively more functionality for the customer as each increment is delivered.

(3):- Evolutionary Process Model:-

Evolutionary process models are iterative. They are characterized in a maner that enables you to develop more complete versions of softwares. There are two common evolutionary process models.

(i):- Prototyping:-

Often a customer defines a set of general objectives for software, but does not identify detailed requirements for functions and features. In this and many other situations, a prototyping paradiagram may offer the best approch.

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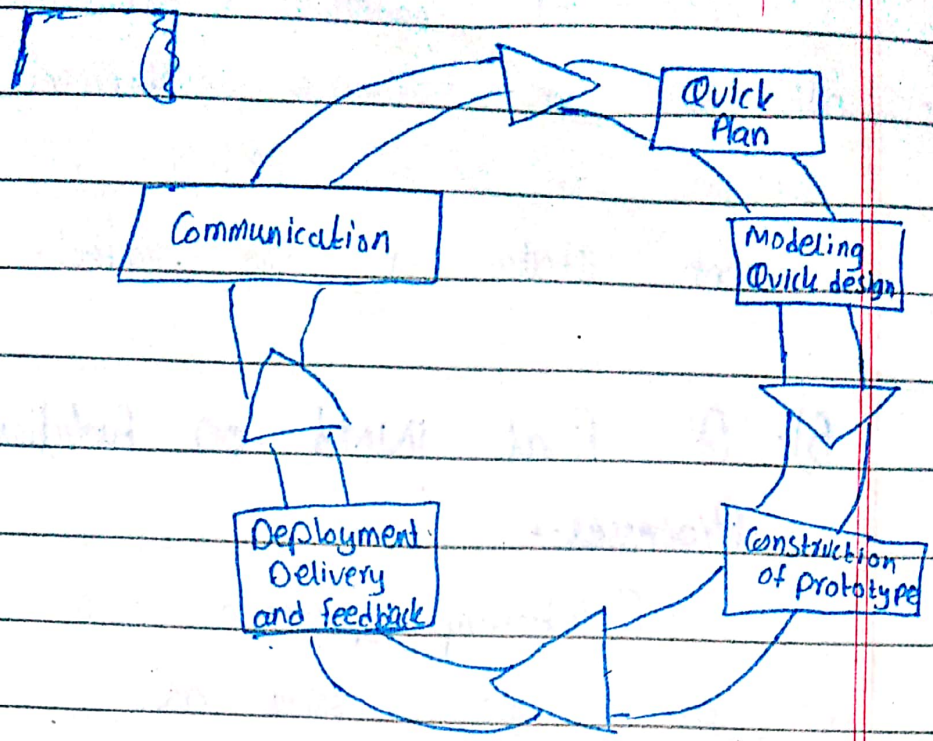

(ii): The spiral Model:- The spiral Model is a risk driven process model generator that is used to guide multi-stakeholder - ~~concurrent~~ It has two main distinguishing features - One is a cyclic approch and the other is a set of anchor point milestones.

3). The Concurrent Models:- The concurrent Models sometimes called concurrent engineering, allows a software team to represent iterative and concurrent elements of any of the process -

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Concurrent modeling is applicable to all types of software development and provides an accurate picture of the current state of the project.

5). A final word on Evolutionary Processes:-

Evolutionary processes are conceived to address thier issues as:-

(i):- The first concern is that prototyping poses a problem to project planning because of the uncertain numbers of cycles required to construct the product.

(ii):- Second, evolutionary software processes do not establish the maximum speed of the evolution. If the evolution occurs too fast, without a period of relaxation, it is certain that the process will fail.

(iii):- Third, software processes should be focused on flexibility and extensibility rather than on high quality.