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CLASS :- BTECH 4TH YEAR

SEMESTER :- 7

DIVISION :- B

Software Engineering
Tutorial 3

Ans 1:

Waterfall Model	Evolution Model
• Waterfall model works in sequential steps.	• Evolution model is a combination of iterative and incremental model.
• Waterfall model is applicable for small projects.	• It is used in large projects.
• There is high amount of risk in waterfall model.	• There is lesser risk in evolutionary model.
• Flexibility to change in waterfall model is difficult	• Flexibility to change in this model is not difficult.

Ans 2:

Agile method:- Agile Software development is the software development process used to design complicated softwares and systems in a spiral set of steps, where the process is quite sensitive, complex and prone to lots of changes.

Traditional Method	Agile method.
• It is used to develop the single simple softwares	• It is used to develop complicated softwares and systems.
• It provides less security.	• It provides high security.
• It provides less functionality in the software.	• It provides most of the functionalities.
• It is used by inexperienced programmers	• It is used by experienced programmers and teams.
• It is majorly consists of five stages.	• It is consists of only three phases

Ans 3: The spiral model can be used in prototyping and waterfall. It is a model of with an iterative procedure like prototyping and furthermore, it is an efficient way to deal with taking care of issues, bugs, changes, etc..

The spiral model takes these problems as a progression of advancement whereas it is very difficult to handle such issues in traditional waterfall models.

It also takes in consideration the commitment to the client.

Ans 4:

Spiral Model	Rapid Application Development Model
• Requires planning in early stages	• Does not require early stage planning.
• It is appropriate to handle large projects.	• It is not feasible to handle large projects.
• It is expensive.	• It is comparitively less expensive.
• It has higher risk.	• It has lower risk.
• Objective of this model is high assurance.	• Objective of this model is rapid development.

Spiral model is different from traditional waterfall model et in following aspects:-
• Spiral model can handle large projects but waterfall model is not appropriate to handle large projects.
• Spiral model is more costlier than traditional waterfall model.
• Waterfall model has difficulty in flexibility and accomodating changes whereas spiral model provides efficient solutions to these use cases.