Assignment Name : Summary on RAD.

Answer :

Rapid Application Development (RAD) is a software developement methodology that emphasizes quick & iterative release cycles, focusing on delivering working software in shorter timelines. Unlike traditional models like waterfall, RAD is more flexible and responsible to user feedback and changing requirements.

Key principles and phases :
- Requirements planning
- User design
- Construction
- Cutover

Advantages :
i. Faster development & time-to-market
ii. Increased user involvement and satisfaction
iii. Flexibility to adapt to changing requirements
iv. Reusability of software components.

Challenges :
- Requires highly skilled developers & strong project management
- May not suitable for large, complex projects
- potential for quality issues if not manged carefully.

When to use RAD :
→ When requirements are well-understood & can be quickly defined.
→ for projects with a high degree of user involvement & feedback.