Question	Answer
Significance of XYZ template	A structured way to document project-specific details (e.g., SPMP defines scope, roles, schedules).
Difference between ABC and XYZ diagram	Depends on the diagrams. For example, **Component vs Deployment**: Component shows software parts; Deployment shows where components run (hardware).
Is interaction diag and sequence diagram the same?	**No**. Interaction diagrams include sequence, communication, and timing diagrams. Sequence diagram is just one type.
What symbols do you use while connecting two components in component diagram	**Dependency arrow** or **assembly connector**. Usually a dotted line with arrowhead.
Artifacts?	An artifact is a **deliverable** like a document, model, or code output. Used in deployment diagrams.
RMMM?	**Risk Mitigation, Monitoring, and Management** – a strategy for identifying and handling risks.
Types and categories of Risk	Types: Technical, Cost, Schedule, People, Tools. Categories: Proactive and Reactive.
What is proactive/reactive risk?	**Proactive**: Handled before they occur. **Reactive**: Handled after risk appears.
Significance of sequence diagram	It shows **order of interactions** between objects over time – useful for understanding workflows.
What is reverse engineering	Analyzing a system to **derive design and specifications** from existing code.
What is forward engineering	Creating code from design/specs – the **normal software development flow**.
What is the significance of Deployment diagram	Shows **physical arrangement** of hardware and software – helps in planning infrastructure.
Whatever you have drawn justify the components	Explain each component's **purpose, role, and connections** in the system.
Can components be added inside packages	**Yes**, components can be grouped in packages for modularization.
Types of testing	Unit, Integration, System, Acceptance, Regression, Performance, etc.
Different types of model	Waterfall, Spiral, Agile, V-Model, Incremental, etc.

Question	Answer
Difference between Interactive and Sequence Diagram	Sequence: Time-based interaction. **Communication/interaction**: Focuses on message flow & relationships.
Difference between aggregation and composition	Aggregation: "Has-a" relationship, **weak**. Composition: **Strong ownership**, part cannot exist without whole.
What is inheritance	A class **inherits** properties and methods from another (OOP concept).
Difference between component and deployment diagram	Component: Software modules. Deployment: Physical hardware setup.
What is interface in component diagram	A **named set of operations** that a component provides or requires.
Where is artifact used in the component diagram	Usually in **deployment diagrams**; not in component diagram directly.
What is an event	A **trigger** that causes a transition (used in state diagrams).
What is swim lines?	**Swimlanes** divide activities based on actors or components (used in activity diagrams).
Collaboration diagram?	Shows **interaction** between objects and the messages exchanged.
Difference between collaboration, sequence and activity diagram	Collaboration: Relationships. Sequence: Time order. Activity: Workflow of tasks.
Symbol for milestone in Gantt chart	Usually a **diamond** shape.
What is Architectural Design	High-level design that shows **overall system structure**, components, and interactions.
Software Engineering and its applications	Field for systematic software dev. Applications: Web, mobile, embedded, etc.
Fork and Join are used in which diagram?	Used in **Activity diagrams** to show **parallel execution**.