Agile Practices CA 1

1. **What is the primary goal of digital transformation in organizations?**  
   A) Focusing solely on marketing strategies  
   B) Enhancing business processes through technology  
   C) Eliminating all traditional business models  
   D) Reducing employee workload
2. **Which phase of design thinking focuses on understanding user needs and problems?**  
   A) Prototyping  
   B) Ideation  
   C) Testing  
   D) Empathy
3. **What does "emergence" refer to in the context of digital transformation?**  
   A) The implementation of rigid business strategies  
   B) The decline of traditional business models  
   C) The spontaneous appearance of new opportunities and innovations  
   D) The final phase of a design sprint
4. **How does convergence differ from divergence in design thinking?**  
   A) Convergence is only used in Agile, not design thinking  
   B) Convergence narrows down ideas, while divergence generates multiple possibilities  
   C) Divergence is the final phase of design thinking  
   D) Convergence focuses on generating ideas, while divergence narrows them down
5. **What is the purpose of a design sprint in product development?**  
   A) To replace Agile methodologies entirely  
   B) To rapidly prototype and test ideas within a short timeframe  
   C) To focus solely on marketing strategies  
   D) To finalize a product without testing
6. **Which methodology emphasizes iterative prototyping in digital transformation?**  
   A) Six Sigma  
   B) Design Thinking  
   C) Total Quality Management  
   D) Waterfall
7. **What role does digital transformation play in enhancing customer experience?**  
   A) It reduces customer interaction with businesses  
   B) It eliminates the need for customer feedback  
   C) It leverages technology to personalize and improve customer journeys  
   D) It focuses only on internal processes, not customers
8. **How does Lean methodology differ from Agile in addressing business challenges?**  
   A) Lean is slower and less flexible than Agile  
   B) Agile prioritizes waste reduction, not Lean  
   C) Lean and Agile are identical in approach  
   D) Lean focuses on eliminating waste, while Agile focuses on iterative delivery
9. **What is the primary responsibility of a product manager in an organization?**  
   A) Managing financial budgets only  
   B) Handling HR-related tasks  
   C) Overseeing the development and success of a product or service  
   D) Focusing solely on marketing campaigns
10. **Which phase of the product lifecycle involves market research and idea generation?**  
    A) Decline  
    B) Growth  
    C) Maturity  
    D) Introduction
11. **How does product management differ from project management?**  
    A) Product management and project management are identical  
    B) Product management focuses on long-term product vision, while project management focuses on specific deliverables  
    C) Project management handles product vision, not product management  
    D) Product management ignores customer needs
12. **What is the role of value chain analysis in product management?**  
    A) To focus only on marketing  
    B) To increase product complexity  
    C) To eliminate customer involvement  
    D) To identify and optimize value-adding activities in product development
13. **What is the primary goal of Agile development methodologies?**  
    A) To avoid customer collaboration  
    B) To deliver value iteratively and adapt to change  
    C) To focus only on long-term planning  
    D) To deliver products in a single, linear phase
14. **Which role in Scrum is responsible for facilitating ceremonies and removing impediments?**  
    A) Development Team  
    B) Product Owner  
    C) Stakeholder  
    D) Scrum Master
15. **What is the typical duration of a Scrum sprint?**  
    A) 1 year  
    B) 1–4 weeks  
    C) 1 day  
    D) 6 months
16. **What is the purpose of the Daily Scrum meeting in Scrum?**  
    A) To review the entire project timeline  
    B) To synchronize team progress and plan daily work  
    C) To plan the next sprint  
    D) To finalize the product
17. **Which Scrum ceremony involves reviewing the work completed in a sprint?**  
    A) Daily Scrum  
    B) Sprint Planning  
    C) Sprint Review  
    D) Retrospective
18. **What is the role of the Product Owner in a Scrum team?**  
    A) To develop the product  
    B) To facilitate Scrum ceremonies  
    C) To manage stakeholder finances  
    D) To prioritize the product backlog and define product vision
19. **How does Scrum differ from traditional waterfall development?**  
    A) Scrum is linear and sequential, like waterfall  
    B) Waterfall is more flexible than Scrum  
    C) Scrum is iterative and adaptive, unlike waterfall’s rigid phases  
    D) Scrum avoids customer feedback
20. **What is the purpose of a Sprint Planning meeting in Scrum?**  
    A) To review the completed sprint  
    B) To plan the work for the upcoming sprint  
    C) To prioritize the product backlog only  
    D) To finalize the product
21. **How does digital transformation influence product management practices in Agile environments?**  
    A) By eliminating product management roles  
    B) By requiring faster, iterative product development and customer focus  
    C) By focusing only on traditional methods  
    D) By reducing the need for Agile practices
22. **Which Agile practice is most aligned with design thinking principles in digital transformation?**  
    A) Rigid scope management  
    B) Sequential delivery  
    C) Iterative prototyping and user feedback  
    D) Long-term planning
23. **What is the role of user experience design in Agile product development?**  
    A) To replace prototyping entirely  
    B) To enhance usability and customer satisfaction through iterative testing  
    C) To increase product complexity  
    D) To focus only on internal team goals
24. **How does Lean methodology support digital transformation initiatives in product management?**  
    A) By enforcing rigid plans  
    B) By avoiding customer feedback  
    C) By minimizing waste and focusing on delivering value efficiently  
    D) By increasing waste and complexity
25. **Which phase of the product lifecycle is most impacted by Agile methodologies?**  
    A) Decline  
    B) All phases equally, without impact  
    C) Maturity, through cost reduction only  
    D) Introduction and growth, due to iterative development
26. **How does design thinking integrate with Scrum ceremonies in product development?**  
    A) By focusing only on technical development  
    B) By replacing Scrum ceremonies entirely  
    C) Through user-focused ideation and prototyping during sprint planning and reviews  
    D) By ignoring customer needs
27. **What is the relationship between digital transformation and Agile product lifecycle management?**  
    A) Digital transformation drives Agile practices to manage product lifecycles dynamically  
    B) They are unrelated  
    C) Agile eliminates the need for digital transformation  
    D) Digital transformation focuses only on marketing, not lifecycles
28. **How does a design sprint align with Scrum sprints in product development?**  
    A) Design sprints replace Scrum sprints entirely  
    B) Both focus on time-boxed, iterative problem-solving and validation  
    C) They are unrelated and cannot be combined  
    D) Scrum sprints ignore user testing
29. **What is the role of a Scrum Master in facilitating design thinking workshops?**  
    A) To develop the product code  
    B) To remove impediments and facilitate collaboration during workshops  
    C) To prioritize the product backlog only  
    D) To ignore user needs
30. **What is the role of customer feedback in aligning digital transformation, product management, and Agile practices?**  
    A) To replace prototyping entirely  
    B) To increase product complexity  
    C) To drive iterative improvements, prioritize features, and validate solutions  
    D) To focus only on internal team goals