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|-----|--|--|---|----|-----|
| 9. | In Feature Driven Development, which metric helps assess financial and production efficiency?
(a) Number of sprints completed
(c) Daily stand-up attendance | (b) Cost per delivered feature
(d) Story point estimation | 1 | K1 | CO5 |
| 10. | How does Agile support Quality Assurance in a global software development environment?
(a) By performing testing only after full product completion
(b) By enabling continuous integration and collaboration across distributed teams
(c) By limiting communication between development and QA teams
(d) By assigning testing to an external vendor only | | 1 | K1 | CO6 |

PART - B (12 × 2 = 24 Marks)

Answer ALL Questions

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|-----|--|--|---|----|-----|
| 11. | Give the importance of ethics and collaboration in Agile team interactions. Provide one example. | | 2 | K1 | CO1 |
| 12. | How does agility affect design, testing, and documentation in Agile software development? | | 2 | K1 | CO1 |
| 13. | What is the main focus of Feature Driven Development? | | 2 | K1 | CO2 |
| 14. | List any two core practices followed in Extreme Programming. | | 2 | K1 | CO2 |
| 15. | What is the role of story cards in Agile, and what does the Story-Card Maturity Model represent? | | 2 | K1 | CO3 |
| 16. | Mention any two common challenges faced when moving from traditional methods to Agile. | | 2 | K2 | CO3 |
| 17. | What is the main purpose of requirements prioritization in Agile projects? | | 2 | K1 | CO4 |
| 18. | What is meant by Agile Requirements Modeling, and why is it important during development? | | 2 | K1 | CO4 |
| 19. | List any two Agile metrics used to measure team performance. | | 2 | K1 | CO5 |
| 20. | What are the key phases of Feature Driven Development? | | 2 | K1 | CO5 |
| 21. | How does Agile support Global Software Development teams? | | 2 | K1 | CO6 |
| 22. | Identify two benefits of using Agile Requirements Modeling. | | 2 | K2 | CO6 |

PART - C (6 × 11 = 66 Marks)

Answer ALL Questions

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| 23. | a) Explain how Agile Project Management ensures better teamwork, communication, and collaboration. Give examples of effective Agile team interactions. | | 11 | K2 | CO1 |
| | OR | | | | |
| | b) Discuss the importance of ethics and transparency in Agile teams. How do ethical practices support trust and productivity? | | 11 | K2 | CO1 |
| 24. | a) Describe the SCRUM framework in detail. | | 11 | K1 | CO2 |
| | OR | | | | |
| | b) Explain the Extreme Programming methodology in detail. | | 11 | K1 | CO2 |
| 25. | a) Elaborate Earl's Schools of Knowledge Management and explain the Institutional Knowledge Evolution Cycle. | | 11 | K2 | CO3 |
| | OR | | | | |
| | b) Explain the importance of Knowledge Management (KM) in software engineering and discuss the challenges of migrating to Agile methodologies. | | 11 | K2 | CO3 |
| 26. | a) Demonstrate different techniques used for Agile Requirements Prioritization. | | 11 | K2 | CO4 |
| | OR | | | | |
| | b) Explain the concept of Concurrency in Agile Requirements Generation with an example. | | 11 | K2 | CO4 |

27. a) Describe the Agile approach to Quality Assurance. How does QA integrate with Agile development throughout the lifecycle? 11 K1 CO5
- OR**
- b) Explain the Test Driven Development process in detail. 11 K1 CO5
28. a) Illustrate how Agile practices are applied in Global Software Development. 11 K2 CO6
- OR**
- b) Discuss how Quality Assurance and Test Driven Development are implemented together in global Agile projects. 11 K2 CO6