

Course: Software Technologies and Enterprise Architecture



WEEK 8: Midterm Exam(ANSWER)

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Mid-Exam (Total Mark:15%)

Part I: Multiple Choice Questions (1 pts Each)

1. What is the core objective of a Customer Relationship Management (CRM) system?

- A. To manage internal employee payroll and benefits.
- B. To manage company interactions with current and potential customers to improve profitability.
- C. To automate the manufacturing production line.
- D. To replace the company's primary website.

Answer: B

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2. Which of the following is identified as a "Back-Office" system?

- A. CRM
- B. Social Media Marketing
- C. ERP (Enterprise Resource Planning)
- D. Customer Support Portal

Answer: C.

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3. Which of the following is considered a disadvantage of the Agile methodology?

- A. Slow delivery of the final product
- B. Difficulty in changing requirements late in the project
- C. Potential for insufficient documentation
- D. Low customer involvement

Answer: C

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4. Which model is more suitable when requirements frequently change?

- A. Agile
- B. Spiral
- C. Waterfall
- D. V-Model

Answer: A.

5. Which technique identifies waste in business processes?

- A. UML Modeling
- B. Coding Review
- C. Value Stream Mapping
- D. Risk Analysis

Answer: B.

Cont. .. Mid-Exam (Total Mark:15%)

Part II. True or False(1pt each)

1. Business Architecture is not reusable. False
2. Under the Agile model, development and testing operations are performed concurrently. True
3. Agile architecture should be "heavy" and detailed at the start of the project to prevent future changes. False
4. The Daily Stand-Up (Daily Scrum) is typically a 15-minute meeting to synchronize team activities. True
5. EUP includes post-deployment support. True

Cont. ...Mid-Exam (Total Mark:15%)

Part III. Short answer question (5pts)

Q1. Explain the phases of Enterprise Unified Process (EUP)? (3pts).

Answer

- Inception – evaluates project feasibility and goals
- Elaboration – defines architecture and risks
- Construction – develops and tests software
- Transition – deploys software to users
- Production – software operates in a live environment
- Retirement – software is archived or shut down

Q2. Why is EUP considered more suitable for large organizations?(2pts).

Answer

- Because EUP manages the complete software lifecycle including deployment, maintenance, scalability, and retirement, which are critical for enterprise systems.

