

MCQs on Software Engineering

Lecture 1

15 MCQs + Answer Key

Q1. Which of the following BEST describes software?

- A) Only executable code
- B) Code + libraries + documentation
- C) Only libraries
- D) Just user manual

Q2. Which is NOT a type of software?

- A) System Software
- B) Application Software
- C) Embedded Software
- D) Electrical Software

Q3. Which operational characteristic ensures software meets its intended purpose?

- A) Reliability
- B) Functionality
- C) Portability
- D) Modularity

Q4. Portability refers to:

- A) Running on multiple platforms
- B) Fast response time
- C) Security of data
- D) Reusing modules

Q5. Which transitional characteristic allows using modules in other projects?

- A) Portability
- B) Reliability
- C) Reusability
- D) Scalability

Q6. Which maintainability characteristic makes software easier to modify?

- A) Modularity
- B) Functionality
- C) Portability
- D) Reliability

Q7. Scalability in software means:

- A) Working on different OS
- B) Handling increased workload
- C) Easy to reuse
- D) Ensuring security

Q8. Which is NOT an 'ility' of software?

- A) Usability
- B) Adaptability
- C) Profitability
- D) Maintainability

Q9. According to IEEE, Software Engineering is:

- A) Only coding
- B) A systematic disciplined approach
- C) Just debugging
- D) Only documentation

Q10. Why is Software Engineering needed?

- A) To manage complexity
- B) To improve quality
- C) To control cost & schedule
- D) All of the above

Q11. Which cost is usually higher over time?

- A) Hardware cost
- B) Software cost
- C) Electricity cost
- D) Network cost

Q12. Which is NOT a key cost driver?

- A) Complexity
- B) Maintenance
- C) Team lunch
- D) Changing requirements

Q13. COCOMO model helps in:

- A) Testing software
- B) Cost estimation
- C) Writing code
- D) UI Design

Q14. Which helps manage software cost?

- A) Modular design
- B) Reuse
- C) CASE tools
- D) All of the above

Q15. Which attribute is hardest to ensure?

- A) Reliability
- B) Portability
- C) Security
- D) It depends on project

Answer Key

- Q1: B
- Q2: D
- Q3: B
- Q4: A
- Q5: C
- Q6: A
- Q7: B
- Q8: C
- Q9: B
- Q10: D
- Q11: B
- Q12: C
- Q13: B
- Q14: D
- Q15: D