

CSE 007 Final  
Exam, Form: A

Name: \_\_\_\_\_

Student Number: \_\_\_\_\_

TA: \_\_\_\_\_

Date: \_\_\_\_\_

1. If you must take a course before you can take another course, this is called:
  - (a) Opposite
  - (b) Prerequisite
  - (c) Composite
  - (d) Maturity
2. Which part of the software engineering practice can be more important if your code will be shared with other programmers?
  - (a) Coding
  - (b) Architecture design
  - (c) Documentation
  - (d) Requirements analysis
3. How many different objects can you represent using 6 bits?
  - (a) 32
  - (b) 6
  - (c) 64
  - (d) 16
4. What is the name of the instructor for this course?
  - (a) Ercan Solak
  - (b) Boray Tek
  - (c) Olcay Taner Yildiz
  - (d) Taner Eskil
5. Suppose you want to sum up the numbers from 1 to  $N$ . Which programming structure would you use for it?
  - (a) If-Else
  - (b) Loop
  - (c) Array
  - (d) Function
6. Which one is not a network topology?
  - (a) Ring
  - (b) Bus
  - (c) Star
  - (d) Metrobus
7. Which of the following definitions best fit plagiarism?
  - (a) A search technique in artificial intelligence
  - (b) A semantic group of software architects that meet online for a purpose
  - (c) To present someone else's ideas as one's own
  - (d) Sharing of resources such as memory by multiple running applications
8. Which of the following is not a programming paradigm?
  - (a) functional
  - (b) imperative
  - (c) object-oriented
  - (d) browser
9. Which of the following would be considered cheating in 'strictly individual' projects?
  - (a) Copying solutions from online sources
  - (b) Getting help from a friend or tutor
  - (c) Solving the problem together with friends
  - (d) All of the above
10. Which of the following is **not** object-oriented programming language?
  - (a) C++
  - (b) C
  - (c) Java
  - (d) SmallTalk
11. Torrent uses ... network architecture.
  - (a) Client-server
  - (b) Peer-to-peer
  - (c) Browser
  - (d) Ring

12. Suppose you want to design an algorithm to solve a logic puzzle. Which of the following topics do you need to learn for that?
- (a) Computer networks
  - (b) Operating systems
  - (c) Artificial intelligence
  - (d) Database Systems
13. In which game will a human have no chance to defeat a basic computer?
- (a) TicTacToe
  - (b) Backgammon
  - (c) Chess
  - (d) Go
14. Which of the following is **not** a part of the CPU
- (a) Arithmetic/logic unit
  - (b) Register
  - (c) Control unit
  - (d) Main Memory
15. Ethical or not; getting a tutor do the projects for you.
- (a) Ethical if the tutor is not paid
  - (b) Absolutely not!
  - (c) Ethical if the tutor is not paid and he explains the solution to you
  - (d) Why not?
16. Suppose you want to store the information about books in a database table. Which information can be a primary key for this table?
- (a) Name
  - (b) Isbn number
  - (c) Author
  - (d) Publisher
17. In the machine software classification, which of the following are all part of operating system?
- (a) Games, Utility
  - (b) Shell, Kernel
  - (c) Application, Utility
  - (d) Kernel, Games
18. Which of the following is largest part of software engineering?
- (a) Requirements analysis
  - (b) Debugging
  - (c) Coding
  - (d) System Design
19. Which of the following is **not** a standard for representing characters in languages
- (a) Unicode
  - (b) ASCII
  - (c) String
  - (d) ISO
20. The assignment is due next morning and you still cannot solve a problem. What should you do?
- (a) Call a friend and ask for help
  - (b) Submit what you have got and start working earlier next time
  - (c) Google for a solution
  - (d) E-mail the instructor and ask her to postpone the due date
21. Which of the following is an operating system
- (a) Microsoft
  - (b) Microsoft Excel
  - (c) Android
  - (d) Mac
22. Which of the following is one of the essentially desirable properties of an algorithm?
- (a) Fast
  - (b) Inefficient
  - (c) Ambiguous
  - (d) Incorrect
23. What is the result of  $((1 \text{ AND } 0) \text{ OR } 1)$ ?
- (a) 0
  - (b) Can not be known
  - (c) 2
  - (d) 1
24. There are different ways in which you can store data in a computing device. Which topic do you need to learn if you want to design efficient and correct data storage methods?
- (a) Artificial Intelligence
  - (b) Human Computer Interaction
  - (c) Database Systems
  - (d) Computer Networks
25. Which of the following is **not** part of a machine cycle
- (a) Generate
  - (b) Fetch
  - (c) Decode
  - (d) Execute

# Answer Key for Exam A

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|---------|---------|
| 1. (b)  | 14. (d) |
| 2. (c)  | 15. (b) |
| 3. (c)  | 16. (b) |
| 4. (c)  | 17. (b) |
| 5. (b)  | 18. (b) |
| 6. (d)  | 19. (c) |
| 7. (c)  | 20. (b) |
| 8. (d)  | 21. (c) |
| 9. (d)  | 22. (a) |
| 10. (b) | 23. (d) |
| 11. (b) | 24. (c) |
| 12. (c) | 25. (a) |
| 13. (a) |         |