C LANG TEST-1 (INTRODUCTION & EVOLUTION)

Total points 50/50 ❓

STUDENT NAME *

VIVA

✓ 1. **Who is the father of the C programming language?** *   1/1

○ A) James Gosling

◉ B) Dennis Ritchie   ✓

○ C) Bjarne Stroustrup

○ D) Ken Thompson

✓ 2. **In which year was C language developed?** *   1/1

○ A) 1970

◉ B) 1972   ✓

○ C) 1975

○ D) 1980

✓ 3. **C language was developed at _____.** * 1/1

○ A) Microsoft

◉ B) AT&T Bell Labs ✓

○ C) MIT

○ D) Sun Microsystems

✓ 4. **C language was developed as a successor to which language?** * 1/1

○ A) BASIC

○ B) FORTRAN

◉ C) B ✓

○ D) COBOL

✓ 5. **Which of the following is not a feature of C?** * 1/1

○ A) Portability

○ B) Low-level access

◉ C) Object-oriented ✓

○ D) Structured programming

✓ **6. The C language was primarily developed for which operating system?** * 1/1

○ A) UNIX ✓

○ B) Windows

○ C) Linux

○ D) MacOS

✓ **7. Who developed the B language?** * 1/1

○ A) Ken Thompson ✓

○ B) Dennis Ritchie

○ C) Brian Kernighan

○ D) Bill Gates

✓ **8. C language is often called a _____ language.** * 1/1

○ A) High-level

○ B) Low-level

○ C) Middle-level ✓

○ D) Assembly-level

✓ **9. Which language influenced the development of C?** *   1/1

○ A) BASIC

○ B) Assembly

● C) B   ✓

○ D) C++

✓ **10. The first book on C, *"The C Programming Language"*, was written by?** * 1/1

● A) Dennis Ritchie and Brian Kernighan   ✓

○ B) Dennis Ritchie and Ken Thompson

○ C) Brian Kernighan and Bjarne Stroustrup

○ D) James Gosling and Dennis Ritchie

✓ **11. What was the main purpose of developing C?** *   1/1

○ A) To write compilers

● B) To write operating systems   ✓

○ C) To develop games

○ D) To create web applications

12. Which version of UNIX was written in C? *   1/1

- ○ A) UNIX Version 2
- ○ B) UNIX Version 4
- ● C) UNIX Version 6   ✓
- ○ D) UNIX Version 7

13. Which of the following is true about C language? *   1/1

- ● A) It is platform-dependent   ✓
- ○ B) It is platform-independent
- ○ C) It cannot run on UNIX
- ○ D) It is used only for web development

14. C language combines features of _____. *   1/1

- ● A) Low-level & High-level languages   ✓
- ○ B) Assembly & Machine languages
- ○ C) Java & Python
- ○ D) None of these

✓ 15. **C language is often referred to as a _____ language.** *　　　　1/1

- ⦿ A) Structured programming　　　　　　　　　　　　✓
- ○ B) Object-oriented
- ○ C) Functional
- ○ D) Declarative

✓ 16. **Which of the following is a key characteristic of C?** *　　　　1/1

- ○ A) Automatic garbage collection
- ○ B) Platform independence
- ⦿ C) Modularity　　　　　　　　　　　　　　　　　✓
- ○ D) Built-in GUI

✓ 17. **C language was standardized by ANSI in which year?** *　　　　1/1

- ○ A) 1978
- ○ B) 1983
- ⦿ C) 1989　　　　　　　　　　　　　　　　　　　✓
- ○ D) 1990

✓ 18. **The ANSI standard version of C is also known as _____.** *   1/1

○ A) C89

○ B) C90

○ C) C99

◉ D) Both A and B   ✓

✓ 19. **Which of the following is a later standard of C?** *   1/1

○ A) C88

◉ B) C99   ✓

○ C) C85

○ D) C86

✓ 20. **Which organization approved the C99 standard?** *   1/1

◉ A) ISO   ✓

○ B) ANSI

○ C) IEEE

○ D) Microsoft

✓ 21. **What does the "portable" nature of C mean?** * 1/1

- ○ A) C code runs only on one system
- ◉ B) C code runs on multiple systems ✓
- ○ C) C code cannot be compiled
- ○ D) C code depends on hardware

✓ 22. **What is the full form of ANSI?** * 1/1

- ◉ A) American National Standards Institute ✓
- ○ B) Advanced National Software Institution
- ○ C) American National Software Interface
- ○ D) None of these

✓ 23. **The language C was derived from which type of programming?** * 1/1

- ○ A) Structured
- ○ B) Functional
- ◉ C) Procedural ✓
- ○ D) Object-oriented

24. C was originally implemented on which computer? *   1/1

- A) IBM PC
- ● B) DEC PDP-11   ✓
- C) Macintosh
- D) CRAY-1

25. Which of the following is NOT an advantage of C? *   1/1

- A) Fast execution
- B) Portability
- ● C) Dynamic typing   ✓
- D) Flexibility

26. The C language does not support which of the following? *   1/1

- A) Recursion
- B) Dynamic memory allocation
- ● C) Classes   ✓
- D) Pointers

27. Which of these was the first widely used structured programming language? *1/1

- ○ A) C
- ○ B) B
- ● C) ALGOL ✓
- ○ D) FORTRAN

28. Which language came immediately after B? * 1/1

- ○ A) C++
- ● B) C ✓
- ○ C) BCPL
- ○ D) Java

29. The C compiler converts source code into _____. * 1/1

- ● A) Machine code ✓
- ○ B) Bytecode
- ○ C) Assembly code
- ○ D) None

✓ 30. **Which version of C added inline functions and variable-length arrays?** *1/1

○ A) C89

○ B) C90

◉ C) C99 ✓

○ D) C11

✓ 31. **The process of C language standardization was done by _____.** * 1/1

◉ A) ANSI and ISO ✓

○ B) IEEE

○ C) Microsoft

○ D) Sun Microsystems

✓ 32. **Who co-authored *The C Programming Language* book?** * 1/1

○ A) Ken Thompson

◉ B) Brian Kernighan ✓

○ C) Bjarne Stroustrup

○ D) Linus Torvalds

?

✓ 33. **The C language is mainly used in _____.** * 1/1

○ A) Web development

○ B) System programming

○ C) Game engines

● D) Both B and C ✓

✓ 34. **What was the first version of UNIX written in?** * 1/1

● A) Assembly ✓

○ B) B

○ C) C

○ D) FORTRAN

✓ 35. **Which version of C introduced the concept of multi-line comments** *1/1
using /* ... */?

○ A) C89

○ B) C90

○ C) Original C

● D) None, it existed from the beginning ✓

✓ **36. The most recent C standard as of 2023 is _____.** *   1/1

○ A) C11

○ B) C17

◉ C) C23   ✓

○ D) C20

✓ **37. Which feature made C different from B language?** *   1/1

◉ A) Data types and structures   ✓

○ B) Loops

○ C) Functions

○ D) Pointers

✓ **38. What does "C" stand for in C language?** *   1/1

○ A) Combined

○ B) Compiled

◉ C) Nothing – it's just a letter after B   ✓

○ D) Core

✓ 39. **The term "portable" in C refers to _____.** *   1/1

○ A) The hardware flexibility

◉ B) The ability to run the same code on different machines   ✓

○ C) The use of low memory

○ D) The ability to work offline

✓ 40. **C language was influenced by which of the following?** *   1/1

○ A) ALGOL

○ B) BCPL

○ C) B

◉ D) All of the above   ✓

✓ 41. **C language is best described as a _____ language.** *   1/1

○ A) Scripting

◉ B) High-level procedural   ✓

○ C) Markup

○ D) Functional

✓ **42. What is the file extension of a C program?** *   1/1

○ A) .exe

○ B) .cpp

○ C) .java

◉ D) .c   ✓

✓ **43. Which of the following is true about C programs?** *   1/1

○ A) They are interpreted

◉ B) They are compiled   ✓

○ C) They are translated at runtime

○ D) None

✓ **44. What is the output file generated by a C compiler called?** *   1/1

○ A) Source file

○ B) Executable file

◉ C) Object file   ✓

○ D) Assembly file

?

45. The first standard of C was known as _____. * 1/1

- ◉ A) K&R C ✓
- ○ B) ANSI C
- ○ C) ISO C
- ○ D) UNIX C

46. The K&R C stands for _____. * 1/1

- ◉ A) Kernighan & Ritchie C ✓
- ○ B) Key & Ritchie C
- ○ C) Kernel & Root C
- ○ D) Kernighan & Root C

47. What was the successor of C language? * 1/1

- ◉ A) C++ ✓
- ○ B) Java
- ○ C) C#
- ○ D) Pascal

48. Which of the following does C not support directly? * 1/1

○ A) Encapsulation ✓

○ B) Functions

○ C) Arrays

○ D) Loops

49. Which phase converts C code into object code? * 1/1

○ A) Linking

● B) Compilation ✓

○ C) Execution

○ D) Debugging

50. What does the term "K&R C" refer to historically? * 1/1

● A) Early standard version of C ✓

○ B) Latest version of C

○ C) Object-oriented version of C

○ D) C for UNIX only

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