

## VCRP – 2025

### Aptitude Test Guidelines

Aptitude test will be conducted on computer on **13/3/2025 at 9:00 AM** in college campus Sandipani Technical Campus Faculty of Engineering, Nanded Road, Kolpa, Latur.

### Exam Pattern:

Exam Paper: Branch wise

**Total Marks: 25 (General Aptitude-15, Technical Aptitude- 10)**

**Exam Duration: 30 Mins.**

Note: Kindly bring Receipt, your college ID-Card/any other ID proof

Venue: Computer Labs, Sandipani Technical Campus Faculty of Engineering, Kolpa, Latur

**Technical Questions: 10 Marks**  
**Any of the Following 10 Questions will be asked.**

### Computer Engg. Branch Question Bank

#### **Aptitude Questions: 15 Marks**

**Any of the Following 15 Questions will be asked.**

1. A coaxial cable has a bandwidth of \_\_\_\_\_ of megahertz.

- a) 100
- b) 150
- c) 1000
- d) 10000

Answer: a

2. What is a data structure?

- a) A programming language
- b) A collection of algorithms
- c) A way to store and organize data
- d) A type of computer hardware

Answer: c

3. The data structure required to check whether an expression contains a balanced parenthesis is?

- a) Queue
- b) Stack
- c) Tree
- d) Array

Answer: b

4. Who is the father of C language?

- a) Steve Jobs
- b) James Gosling
- c) Dennis Ritchie
- d) Rasmus Lerdorf

Answer: c

5. Which of the following cannot be a variable name in C?

- a) volatile
- b) true
- c) friend
- d) export

Answer: a

6. What is an example of iteration in C?

- a) for
- b) while
- c) do-while
- d) all of the mentioned

Answer: d

7. Software is defined as \_\_\_\_\_

- a) set of programs, documentation & configuration of data
- b) set of programs
- c) documentation and configuration of data

d) None of the mentioned

Answer: a

8. Who is the father of Software Engineering?

- a) Margaret Hamilton
- b) Watts S. Humphrey
- c) Alan Turing
- d) Boris Beizer

Answer: b

9. Which component is used to compile, debug and execute the java programs?

- a) JRE
- b) JIT
- c) JDK
- d) JVM

Answer: c

10. Which of these cannot be used for a variable name in Java?

- a) identifier & keyword
- b) identifier
- c) keyword
- d) none of the mentioned

Answer: c

11. Which of the following is not an OOPS concept in Java?

- a) Polymorphism
- b) Inheritance
- c) Compilation
- d) Encapsulation

Answer: c

12. Which of the following is a type of polymorphism in Java Programming?

- a) Multiple polymorphism
- b) Compile time polymorphism
- c) Multilevel polymorphism
- d) Execution time polymorphism

Answer: b

13. Which type of Programming does Python support?

- a) object-oriented programming
- b) structured programming
- c) functional programming

d) all of the mentioned

Answer: d

14. Is Python case sensitive when dealing with identifiers?

- a) no
- b) yes
- c) machine dependent
- d) none of the mentioned

Answer: b

15. All keywords in Python are in \_\_\_\_\_

- a) Capitalized
- b) lower case
- c) UPPER CASE
- d) none of the mentioned

Answer: d

16. Which of the following is used to define a block of code in Python language?

- a) Indentation
- b) Key
- c) Brackets
- d) All of the mentioned

Answer: a

17. Which was the first purely object oriented programming language developed?

- a) Kotlin
- b) SmallTalk
- c) Java

Answer: b

18. When OOP concept did first come into picture?

- a) 1980's
- b) 1995
- c) 1970's
- d) 1993

Answer: c

19. Which among the following doesn't come under OOP concept?

- a) Data hiding
- b) Message passing
- c) Platform independent

d) Data binding

Answer: c

20. Which environment variable is used to set the java path?

- a) MAVEN\_Path
- b) JavaPATH
- c) JAVA
- d) JAVA\_HOME

Answer: d

21. What is C++?

- a) C++ is an object oriented programming language
- b) C++ is a procedural programming language
- c) C++ supports both procedural and object oriented programming language
- d) C++ is a functional programming language

Answer: c

22. Which of the following extension is used for user-defined header file in c++?

- a) hg
- b) cpp
- c) h
- d) hf

Answer: c

23 Which of the following is a correct identifier in C++?

- a) VAR\_1234
- b) \$var\_name
- c) 7VARNAME
- d) 7var\_name

Answer: a

24 What is Microprocessor?

- a) A multipurpose PLD that accepts binary data as input
- b) A multipurpose PLD that accepts an integer as input
- c) A multipurpose PLD that accepts whole numbers as input
- d) A multipurpose PLD that accepts prime numbers as input

Answer: a

25 Which of the following is a type of microprocessor?

- a) CISC
- b) RISC
- c) EPIC

d) All of the mentioned

Answer: d