

D. K. M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**SEMESTER EXAMINATIONS****DECEMBER – 2022****POCCS1SS****SELF STUDY: R PROGRAMMING****Time: 2 Hours****Max. Marks: 50****Section - A (10 x 1 = 20)****Answer ALL questions.**

1. Point out the wrong statements.
 - a. For each probability distribution there are typically three functions.
 - b. For each probability distribution there are typically four functions.
 - c. r function is sufficient for simulating random numbers
 - d. R comes with a set of pseudo-random number generators
2. _____ generate random Normal variates with a given mean and standard.
 - a. dnorm
 - b. rnorm
 - c. pnorm
 - d. rpois
3. _____ allows you to insert debugging code into a function a specific place.
 - a. Debug ()
 - b. Trace ()
 - c. Browser ()
 - d. Traceback ()
4. Point out the wrong statement.
 - a. The primary task of debugging any R code is correctly diagnosing what the problem is
 - b. R provides only two tools to help you with debugging your code
 - c. Print statements can be used for debugging purpose
 - d. The traceback
() function must be called immediately after an error occurs
5. Point out the correct statement.
 - a. Blocks are evaluated until a new line is entered after the closing brace
 - b. Single statements are evaluated when a new line is typed at the start of the syntactically complete statement
 - c. The if/else statement conditionally evaluates two statements
 - d. Break will execute a loop while a condition is true
6. If you explicitly want an integer, you need to specify the _____ suffix.
 - a. D
 - b. R
 - c. L
 - d. K
7. Numbers in R are generally treated as _____ precision real numbers.
 - a. single
 - b. double
 - c. real
 - d. imaginary
8. Point out the correct statements.
 - a. Empty vectors can be created with the vector () function
 - b. A sequence is represented as a vector but can contain objects of different classes
 - c. "raw" objects are commonly used directly in data analysis
 - d. The value NaN represents undefined value
9. In 1991, R was created by Ross Ihaka and Robert Gentleman in the Department of statistics at the University of _____.
 - a. John Hopkins
 - b. California
 - c. Harvard
 - d. Auckland
10. Which of the following statement can be used to explicitly control looping?
 - a. If
 - b. while
 - c. break
 - d. For

11. _____ initiates an infinite loop right from the start.
- never
 - repeat
 - break
 - set
12. _____ is used to skip an iteration of a loop.
- next
 - skip
 - group
 - cancel
13. Which of the following is apply function in R?
- Apply ()
 - Tapply ()
 - Fapply ()
 - Rapply ()
14. Functions are defined using the _____ directive and are stored as R objects.
- Function ()
 - Funct ()
 - Functions ()
 - Fun ()
15. Which of the following is used for reading in saved workspaces?
- unserialize
 - load
 - get
 - set
16. Which of the following argument denotes if the file has a header line?
- header
 - sep
 - file
 - footer
17. R has many function regarding _____.
- Statistics, Biotechnology
 - Probability, Microbiology
 - Distributions, Physics
 - Statistics, Probability, Distributions
18. Which are indexed by either row or column using specific name or number?
- Datasets
 - Data frames
 - Data
 - Functions
19. First components of the list can be accessed by _____.
- Name of the component
 - List name
 - Function
 - Package
20. R language has superficial similarity with _____.
- C
 - Python
 - MATLAB
 - SAS

Section - B (3 x 10 = 30)

Answer ALL questions.

21. Summarize the Control Structures with example Programs.
22. Give the Outline of Data types and Operators in R Programming.
23. Estimate the tools in R Programming.

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