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Question Paper Code: 41287

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

ONE CREDIT COURSE

Computer Science and Engineering

14UCS866 - R PROGRAMMING

(Regulation 2014/2015)

Duration: One hour

Maximum: 50 Marks

Answer ALL Questions

PART A - (20 x 1 = 20 Marks)

- _____ programming language is a dialect of S.
(a) B (b) C (c) R (d) K
- In 2004, _____ purchased the S language from Lucent for \$2 million.
(a) Insightful (b) Amazon (c) IBM (d) all the above
- 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
- Finally, in _____ R version 1.0.0 was released to the public.
(a) 2000 (b) 2005 (c) 2010 (d) 2012
- R is technically much closer to the Scheme language than it is to the original _____ language.
(a) B (b) C (c) C++ (d) S
- The R-help and _____ mailing lists have been highly active for over a decade now.
(a) R-mail (b) R-devel (c) R-dev (d) All the above

7. Which of the following describes R language?
- (a) Free (b) Paid
(c) Available for free trial only (d) None of these
8. Collection of objects currently stored in R is called as
- (a) package (b) workspace (c) list (d) none of these
9. Which of the following is an example of a vector graphics device in R?
- (a) JPEG (b) PNG (c) GIF (d) SVG
10. _____ is used for outputting a textual representation of an R object.
- (a) dput (b) dump (c) dget (d) all the above
11. Which of the following is used for reading in saved workspaces?
- (a) unserialize (b) load (c) Get (d) None of these
12. The _____ function can be used to create vectors of objects by concatenating things together.
- (a) cp() (b) c() (c) concat() (d) None of these
13. Which of the following can be considered as object attribute?
- (a) dimensions (b) class (c) length (d) all the above
14. R objects can have attributes, which are like _____ for the object.
- (a) metadata (b) features (c) expression (d) none of these
15. R has how many atomic classes of objects?
- (a) 1 (b) 2 (c) 3 (d) 5
16. _____ uniforms and customizes plots of packages ggplot2, graphics and lattice.
- (a) uniCox (b) uniPlot (c) unknownR (d) none of these
17. Which of the following functions is typically used to add elements to a plot in the base graphics system?
- (a) lines() (b) hist() (c) plot() (d) boxplot()
18. Spread function is known as _____ in spreadsheets.
- (a) pivot (b) unpivot (c) cast (d) order

19. _____ is used for translating between qplot and base graphics.
- (a) translate_qplot_base (b) translate_qplot_gpl
(c) translate_qplot_lattice (d) translate_qplot_ggplot
20. Which of the following is an example of a valid graphics device in R?
- (a) A socket connection (b) A Microsoft Word document
(c) A PDF file (d) A file folder

PART - B (2 x 15 = 30 Marks)

21. (a) What is R Programming? Describe the Steps for R Environment. (15)

Or

- (b) Explain about data import in R language. How missing values and impossible values are represented in R language. (15)

22. (a) Describe Predictive Modeling Techniques. (15)

Or

- (b) Explain Logistic Regression and Cluster in R. (15)
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