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Question Paper Code: 58266

B.E. / B.Tech.DEGREE EXAMINATION, MAY 2018

One credit course

Computer Science Engineering

15UCS866 - R PROGRAMMING

(Regulation 2015)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (20 x 1 = 20 Marks)

1. _____ programming language is a dialect of S. CO1- R
(a) B (b) C (c) R (d) K
2. In 2004, _____ purchased the S language from Lucent for \$2 million. CO1- R
(a) Insightful (b) Amazon (c) IBM (d) All of the mentioned
3. Finally, in _____ R version 1.0.0 was released to the public CO1 -R
(a) 2000 (b) 2005 (c) 2010 (d) 2012
4. R is technically much closer to the Scheme language than it is to the original _____ language. CO1 -R
(a) B (b) C (c) C++ (d) S
5. In 1991, R was created by Ross Ihaka and Robert Gentleman in the Department of Statistics at the University of _____. CO1 -R
(a) John Hopkins (b) California (c) Harvard (d) Auckland

6. The R-help and _____ mailing lists have been highly active for over a decade now CO1 -R
- (a) R-mail (b) R-devel (c) R-dev (d) All of the mentioned
7. The copyright for the primary source code for R is held by the _____ Foundation. CO1 -R
- (a) A (b) S (c) C (d) R
8. Which of the following statement is alternative to ?solve CO2 -R
- (a) help(solve) (b) man(solve)
(c) hel(solve) (d) All of the mentioned
9. If a command is not complete at the end of a line, R will give a different prompt, by default it is : CO2 -R
- (a) * (b) + (c) – (d) All of the mentioned
10. Command lines entered at the console are limited to about _____ bytes CO2 -R
- (a) 3000 (b) 4095 (c) 5000 (d) None of the mentioned
11. Files containing R scripts ends with extension : CO2 -R
- (a) .S (b) .R (c) .Rp (d) All of the mentioned
12. _____ will divert all subsequent output from the console to an external file. CO3- R
- (a) sink (b) div (c) exp (d) None of the mentioned
13. _____ text editor provides more general support mechanisms via ESS for working interactively with R. CO2 -R
- (a) EAC (b) Emacs (c) Shell (d) None of the mentioned
14. What would be the result of following R code ? CO2 -R
- ```
> x <- 1
> print(x)
```
- (a) 1      (b) 2      (c) 3      (d) All of the above

15. The entities that R creates and manipulates are known as CO3-R  
 (a) objects (b) task (c) container (d) All of the mentioned
16. Collection of objects currently stored in R is called as \_\_\_\_\_. CO3-R  
 (a) package (b) workspace (c) list (d) none of the mentioned
17. Which of the following is an example of a vector graphics device in R? CO3- R  
 (a) JPEG (b) PNG (c) GIF (d) SVG
18. Which of the following can be considered as object attribute ? CO3-R  
 (a) dimensions (b) class (c) length (d) all of the mentioned
19. \_\_\_\_\_ is the most common probability distribution to work with CO3-R  
 (a) Gaussian (b) Parametric (c) Paradox (d) All of the mentioned
20. Which of the following functions is typically used to add elements to a plot in the base graphics system? CO3-R  
 (a) lines() (b) hist() (c) plot() (d) boxplot()

PART – B (2 x 15= 30Marks)

21. (a) Describe Looping statements in R Programming. CO2-U (15)  
 Or  
 (b) How will you read data from files in R language? Explain. CO1 -U (15)
22. (a) Describe Predictive Modeling Techniques. CO3-U (15)  
 Or  
 (b) (i) Draw the pie chart for given Data consists of 21, 62, 10, 53, "London", "New York", "Singapore", "Mumbai". CO3-App (7)  
 (ii) Create Bar plot for Revenue Chart. CO3-App (8)

