Reg. No. : ☐☐☐☐☐☐☐☐☐☐

Question Paper Code: 58266

B.E. / B.Tech.DEGREE EXAMINATION, NOV 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   CO1- R
   million.

   (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   CO1 -R
   _____ language.

   (a) B   (b) C   (c) C++   (d)S

5. In 1991, R was created by Ross Ihaka and Robert Gentleman in the   CO1 -R
   Department of Statistics at the University of _____.

   (a) John Hopkins   (b) California   (c) Harvard   (d) Auckland

6. The R-help and _____ mailing lists have been highly active for   CO1 -R
   over a decade now

   (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.   CO2 -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. The most convenient way to use R is at a graphics workstation running a _____ system.   CO2 -R

    (a) windowing   (b) running   (c) interfacing   (d) All 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. _____ is used for outputting a textual representation of an R object.   CO3- R

    (a) dput   (b) dump   (c) dget   (d) All 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 above

14. Command lines entered at the console are limited to about _____ bytes.   CO2 -R

    (a) 3000   (b) 4095   (c)5000   (d) None of the mentioned

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. What would be the result of following R code ?   CO3-R

    > x <- 1

    > print(x)

    (a) 1   (b) 2   (c) 3   (d) All 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. _____ uniforms and customizes plots of packages ggplot2, graphics and   CO3-R
    lattice.

    (a) uniCox   (b) uniPlot   (c) unknownR   (d) Noneof the mentioned

19. The entities that R creates and manipulates are known as _____.   CO3-R

    (a) objects   (b) task   (c) container   (d) All of the mentioned

20. _____ splits a data frame and results an array (hence the da).   CO3-R
     Hopefully you're getting the idea here.

    (a) apply   (b) daply   (c) stats   (d) All of the mentioned

<div align="center">PART – B (2 x 15= 30Marks)</div>

21. (a)   What is R Programming? Describe the Steps for R Environment.   CO2-U   (15)

<div align="center">Or</div>

    (b)   How will you read data from files in R language? Explain.   CO3 -U   (15)

22. (a)   Describe Predictive Modeling Techniques   CO3-App   (15)

<div align="center">Or</div>

    (b)   Create a simple calculator using R.   CO2-App   (15)

58266

58266