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3E1655

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B.Tech. III Semester (Main/Back) Examination, Dec. - 2016
Computer Sc. & Engg.
3CS4A Fundamentals of Linux Shell Programming
CS, IT

Time : 3 Hours

Maximum Marks : 80
Min. Passing Marks : 26

Instructions to Candidates:

*Attempt any **five** questions, selecting **one** question from **each unit**. All questions carry **equal** marks. (Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.*

Unit - I

1. a) What is Linux? Explain the properties of Linux. (8)

   b) Explain the Access permissions in Linux. (8)

OR

1. Explain the following commands :

   i. chmod   ii. cat

   iii. touch   iv. kill   (4×4=16)

Unit - II

2. a) Explain Yank and put command with an example (8)

   b) What is searching & submitting operation? (8)

OR

2. What is Vi editor? Explain the modes of Vi editor. Write down the features of Vi editor. (16)

Unit - III

3. a) Describe in details the Remote computing and Local Displays in X - window. (10)

   b) How can we customize the FVWM Window Manager. (6)

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3. Explain the X-Applications in details. (16)

Unit - IV

4. a) Explain standard stream with examples. (8)

   b) Explain command separation & grouping in details. (8)

OR

4. a) Define command line editing in shell. (8)

   b) Explain the used processes in shell. (8)

Unit - V

5. Explain Shell Builtin commands in details. (16)

OR

5. a) What is the difference between RCS and CVS? (8)

   b) Explain functions in shell programming. (8)

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