



DDD-1739

B. Sc. (I.T.) (Sem. VI) Examination
March / April - 2016
Linux Administration & Shell Programming

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. Sc. (I.T.) (SEM. 6)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="LINUX ADMINISTRATION & SHELL PROGRAMMING"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="7"/> <input type="text" value="3"/> <input type="text" value="9"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="NIL"/>	

(2) All questions are compulsory.

1 Answer in brief : 16

- (i) What do you mean by command substitution ?
- (ii) What is the use of ^ in regular expression ?
- (iii) What is the purpose of BEGIN and END section in awk ?
- (iv) Use of tee command.
- (v) Explain the purpose of super block.
- (vi) What is the significance of cp-R option ?
- (vii) Write a command to count all special characters in file.
- (viii) What happen when cd command is run without argument ?

- 2** Answer the following : (any three) **18**
- (i) Explain how the file access permissions are handled in the Linux Operating System. List any three commands related to file access permissions.
 - (ii) Explain command line interpretation of shell.
 - (iii) Write shell script to reverse a number.
 - (iv) Write a shell script find smallest of three numbers that are read from keyboard.
- 3** Answer the following : (any three) **18**
- (i) Develop a shell script that creates 50 files with the name st001 to st050.
 - (ii) Write a note on different role played by shell during the program execution.
 - (iii) Explain UNIX kernel structure architecture.
 - (iv) Write shell script to reverse a number.
- 4** Answer the following questions : (any three) **18**
- (i) Write script to perform mathematical operations using menu.
 - (ii) Write a short note on Log Files.
 - (iii) Explain User Management Concepts in detail.
 - (iv) Explain grep utility.
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