

Exam Seat No: _____

Enrollment No: _____

C. U. SHAH UNIVERSITY

WADHWAN CITY

Summer Examination 2015

Branch: IT

Semester: 4th

Subject Code: 4TE04FOU1

Subject Name: Fundamental of UNIX

SECTION 1

Q-1 Explain following Unix commands with example

- | | |
|-----------|---|
| a) Pwd | 2 |
| b) Passwd | 2 |
| c) Who | 2 |
| d) Echo | 1 |

Q-2 Answer the following questions.

- | | |
|---|---|
| a) Write a Shell Script for Comparison between three numbers. | 5 |
| b) Explain Shell and Kernel. | 5 |
| c) Explain <i>cal</i> and <i>bc</i> in detail. | 4 |

OR

Q-2 Answer the following questions.

- | | |
|--|---|
| a) Explain the features of UNIX. | 5 |
| b) What is UNIX? Draw and explain UNIX Architecture. | 5 |
| c) Explain date command in detail. | 4 |

Q-3 Answer the following questions.

- | | |
|---|---|
| a) How to count words, characters and lines using UNIX command? Explain with example. | 5 |
| b) Explain <i>if....then....fi</i> in shell script with an example. | 5 |
| c) Write a Shell Script to Find Out Whether a Number is Even or Odd. | 4 |

OR

Q-3 Answer the following questions.

- a) How to compare two files in UNIX? Give example. 5
- b) Explain file system in UNIX. 5
- c) Write a Shell Script to check whether a year is Leap year or not. 4

SECTION II

Q-4 Explain following Unix commands with example.

- a) cat 2
- b) cp 2
- c) file 2
- d) cd 1

Q-5 Answer the following questions.

- a) Write a Shell Script to display Fibonacci Series. 5
- b) How to record the conversation - session in terminal? Explain with example. 5
- c) Explain any four ordinary file handling commands with example. 4

OR

Q-5 Answer the following questions.

- a) Explain compression and decompression in UNIX environment. 5
- b) Explain foreground and background process. How to list running processes? 5
- c) Explain vi editor with its operation modes. How to get out of vi? Explain. 4

Q-6 Answer the following questions.

- a) Explain directory management in Unix. 5
- b) Explain relational operators and boolean operators. 5
- c) Write a Shell Script to have Sum of Digits of any 5-digit Number. 4

OR

Q-6 Answer the following questions.

- a) Explain file access modes and directory access modes. Also explain chown and chgrp. **5**
- b) Explain basic utilities in UNIX. **5**
- c) Write a Shell Script for Counting up to any Required Number. **4**