

**Third Semester BE Degree Examination March 2021  
(CBCS Scheme)**

Time: 3 Hours

Max Marks: 100 marks

Sub: Unix and Shell Programming

Q P Code: 60305

- Instructions:** 1. Answer five full questions.  
 2. Choose one full question from each module.  
 3. Your answer should be specific to the questions asked.  
 4. Write the same question numbers as they appear in this question paper.  
 5. Write Legibly

**Module – 1**

- |   |   |  |          |
|---|---|--|----------|
| 1 | a | Explain the architecture of UNIX with a neat diagram           | 10 marks |
|   | b | List and Explain the salient features of UNIX operating System | 10 marks |

**Or**

- |   |   |   |         |
|---|---|---|---------|
| 2 | a | Differentiate between the Internal and External Commands in Unix.                                       | 6 marks |
|   | b | Explain the functionalities performed by below commands.<br>a> more      b> man      c> echo      d> ls | 8 marks |
|   | c | Give the steps to add a new user and delete the user in Unix System                                     | 6 marks |

**Module – 2**

- |   |   |   |         |
|---|---|---|---------|
| 3 | a | Define the term File? List and explain the different types of files Supported in Unix System. | 8 marks |
|   | b | Differentiate between the Absolute Path and Relative Path with a proper examples.             | 6 marks |
|   | c | Explain the working of below commands.<br>i) mv      ii) cp      iii) wc                      | 6 marks |

**Or**

- |   |   |  |         |
|---|---|--|---------|
| 4 | a | What is "ls -l" command used for. Give the significance of each attribute associated with a file after running ls -l command.            | 8 marks |
|   | b | What is chmod command used for. Explain the relative and absolute method of settings the permissions to the file.                        | 8 marks |
|   | c | File current permission is rwxrwxrwx. Specify chmod expression required to change the following using both relative and absolute method. | 4 marks |

i> r\_x r\_x rw\_      ii> \_ \_ \_ x \_ wx

**Module – 3**

- |   |   |  |         |
|---|---|--|---------|
| 5 | a | With a neat diagram explain the different modes of vi editor.              | 8 marks |
|   | b | Mention any session navigation commands along with a usage in vi – editor. | 8 marks |
|   | c | How is pattern searching performed in Unix.                                | 4 marks |

PTO

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**Priya Minhas**



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