**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, April 2023**

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|  | **3BT6150** | Roll No. | Total Printed Pages: 1 |
| **3BT6150** |  |
| B. Tech. III Year VI- Semester (Main/Back) End Semester Examination, April 2023  **(CC)** | |
| **BCC06103 : Linux Server Administration** | | | |

# Max. Time: **3** Hours. Max. Marks: **60**

Min. Passing Marks: **21**

Attempt **five** questions selecting one question from each Unit. There is internal choice from Unit I to Unit V. Marks of each question or its parts are indicated against each question / parts. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Use of following supporting material is permitted during examination for this subject.

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|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | How to install Linux in GPT or MBR? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Explain Linux Server run level with an example. | **(6)** | **Understand** |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | How are Shifts from user to super user in Linux Server? | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Explain with example:  (i) Linux Kernel (ii) File Permission | **(6)** | **Understand** |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | You are the administrator of the server. How will you plan the group permission for your server? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | What is the meaning of ownership and what are its benefits? | **(6)** | **Analyze** |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | Explain Password Policy with an example. | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | How many types of user account are there? Explain with an example. | **(6)** | **Apply** |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** | **(a)** | How many primary partitions can be inside a hard disk according to MBR? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | How many primary partitions can be inside a hard disk according to MBR? You are an administrator. How is it useful to extend the volume for you? | **(6)** | **Apply** |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | How is the ext2 ext3 ext4 file system inside Linux useful to an administrator? | **(6)** | **Remember** |
|  |  |  |  |  |
|  | **(b)** | What type of access does access control provide to its users inside a server? | **(6)** | **Understand** |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** | **(a)** | You are an administrator How would you use the DHCP server for your server? | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Explain web server, with example. | **(6)** | **Remember** |
|  |  |  |  |  |
| **Q.8** | **(a)** | Explain FTP server configuration | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | How can an administrator use an FTP server? For Global Side Development? | **(6)** | **Apply** |
|  |  | **UNIT V (CO5)** |  |  |
| **Q.9** | **(a)** | Explain the architecture of SSH protocol. | **(6)** | **Apply** |
|  |  |  |  |  |
|  | **(b)** | What is SSH Client and how is it used in Windows Server? | **(6)** | **Understand** |
|  |  | **OR** |  |  |
| **Q.10** | **(a)** | How is firewall useful in Linux Server? | **(6)** | **Remember** |
|  |  |  |  |  |
|  | **(b)** | You are an administrator How do you add a SSH Client to a SSH server at run time? | **(6)** | **Apply** |