

- N.B. :** (1) **All questions are compulsory.**
(2) **Make suitable assumptions** wherever **necessary** and **state the assumptions** made.
(3) **Answer** to the **same questions** must be **written together.**
(4) **Numbers** to the **right indicate marks.**
(5) Draw **neat labeled diagrams** wherever **necessary.**
(6) Use of **Non-programmable** calculators is **allowed.**

1. Attempt the following (any **TWO**) **[10]**
(a) What is Boot Strapping? Explain with the help of a diagram.
(b) What is RAID? What are its different types? What are different levels of RAID?
(c) Draw and explain the architecture of a UNIX OS.
(d) Explain the features of Linux in detail with different Linux Distributions.
2. Attempt the following (any **TWO**) **[10]**
(a) How is DHCP client configured? Explain.
(b) State the number of subnets, subnet mask and number of hosts for Class B subnets with 2, 3, 4 and 5 bits
(c) Explain the concept of NFS with suitable example.
(d) What are the general, server-specific and client-specific NFS security issues?
3. Attempt the following (any **TWO**) **[10]**
(a) On a Linux machine a directory named/home/newusr/TYIT is to be accessed from windows machine. Write the configuration to carry out this task.
(b) Distinguish between NFS and SAMBA Server.
(c) How are samba users created? Explain.
(d) List NTP utility programs. Write purpose of any four.
4. Attempt the following (any **TWO**) **[10]**
(a) What is zone file? Explain with suitable example.
(b) State and explain E-Mail service and its components.
(c) Explain use of ssh, scp, sftp services.
(d) Explain the files required to configure DNS server.
5. Attempt the following (any **TWO**) **[10]**
(a) What are the features of Postfix Mail Server? Explain its primary configuration file.
(b) What are the files required for the configuration of VSFTPD? Explain.
(c) How to configure user level ftp access?
(d) Explain any five parameters of vsftpd.conf file.
6. Attempt the following (any **TWO**) **[10]**
(a) Explain the working of Apache web server.
(b) Write an SSI page that will display the long listing of the directory /home/tyit.
(c) Explain the files/etc/passwd and /etc/shadow and their fields.
(d) How is virtual server configured? Explain virtual server configuration directives.

7. Attempt the following (any **THREE**)

[15]

- (a) State any 5 linux supported file systems and explain ext3 and ext 2.
- (b) What are the files required to be changed when we setup a new system or move the system from one location to another?
- (c) Explain the steps to configure caching proxy server on Linux.
- (d) Explain the two programs used to check the DNS configuration.
- (e) Write the purpose of following vsftpd configuration directives :
 - (i) anonymous_enable (ii) writeenable (iii) ftpd_banner
 - (iv) banned_email_file (v) chown_username
- (f) What are the changes in Apache 2?

Paper Discussion Schedule for all Subjects

Date	Day	Timing	Centre
5 Nov.2016	Saturday	9.00 a.m. to 11.00 a.m.	Ghatkopar
5 Nov.2016	Saturday	12.00 p.m. to 2.00 p.m.	Thane
5 Nov.2016	Saturday	3.00 p.m. to 5.00 p.m.	Dombivli
6 Nov.2016	Sunday	9.00 a.m. to 11.00 a.m.	Dadar
6 Nov.2016	Sunday	12.00 p.m. to 2.00 p.m.	Andheri
6 Nov.2016	Sunday	3.00 p.m. to 5.00 p.m.	Borivali
7 Nov.2016	Monday	9.00 a.m. to 11.00 a.m.	Nerul

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