Q.P. Code : **3417**

(3 Hours) [Total Marks : 80

N.B. : (1) Question **No 1** is **compulsory** solve **any 3** questions from remaining **five** questions.
(2) Assume **suitable data** wherever necessary.
(3) **Figures** to the **right** indicate **full** marks.

1. (a) What is partitioning? Explain hosting parts of the Linux File system on 10
Separate partitions.
   (b) Write the purpose of the following global configuration directives of http. conf 10
   (i) Keepalive
   (ii) KeepaliveTimeout
   (iii) MaxClients
   (iv) ServerLimit
   (v) StartServers.

2. (a) List out and explain the directories where the Apache RPM installs files. 10
   (b) What is daemon process. Explain daemon characteristics and basic coding 10
rules.

3. (a) What is shell programming ? Explain with examples how expressions are 10
evaluated in shell programming.
   (b) Explain the grep command using c, i and v options. Explain with examples. 10

4. (a) What is file permissions? What are the different ways of setting file 10
permissions ? Explain.
   (b) What are the packages required to configure secure server with SSL ? How 10
can we obtain digital certificate from certifying authority?

5. (a) What is RAID ? What are its different types ? What are different levels of 10
RAID ?
   (b) Explain the features of linux in detail with different linux distributions. 10

6. (a) What is inode ? Why are the inode unique only within a file system? How 10
does map the inode to its filename ? Bring out four important differences
between soft and hard links.
   (b) Explain different types of DNS servers. 10