SUBJECT CODE NO: E-310
FACULTY OF ENGINEERING AND TECHNOLOGY
S.E.(CSE/IT) (CGPA) Examination Nov/Dec 2017
Linux Operating System
(REVISED)

[Time: Three Hours]   [Max.Marks:80]

Please check whether you have got the right question paper.

N.B   i.   <u>Q.No.1 from section 'A' and Q.No.6 from section 'B' are compulsory</u>.
        ii.   Solve <u>any two</u> from remaining questions from each section

<u>**Section A**</u>

Q.1   Describe <u>any five</u>.   10
        a) Enlist any four application area of Linux.
        b) Differentiate between Linux OS and Windows OS.
        c) 'mkdir' and 'rmdir' command.
        d) 'ls' command.
        e) 'who' and 'cal' command
        f) 'bg' and 'fg' command
        g) 'date' command

Q.2   a) Explain Linux architecture in detail with neat labeled diagram.   07
        b) Explain 'chmod' command with relative and absolute manner.   08

Q.3   a) Explain different types of file in Linux O.S. enlist file attributes.   08
        b) Explain user management in detail.   07

Q.4   a) What is process? Explain life cycle of process.   07
        b) Explain 'grep' command with all its options.   08

Q.5   Write a short note (<u>any three</u>)   15
        a) KDE Desktop Environment
        b) Job scheduling using 'at' & 'batch'
        c) Linux History
        d) Linux Distributions

<u>**Section B**</u>

Q.6   Describe <u>any five</u>.   10
        a) 'ifconfig' command
        b) Use of SAMBA Server.
        c) 'expr' command in shell script
        d) While loop in shell script
        e) What is hostname & localhost
        f) Enlist Data Backup Commands
        g) Role of super user in Linux O.S

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Q.7	a)	What is TCP/IP? Explain how to set IP address in Linux.	07
	b)	Explain Web Server in detail.	08

Q.8	a)	Write a shell script program to demonstrate case statement.	08
	b)	Explain different kinds of loop statement available in shell script	07

Q.9	a)	Explain use of 'tar' and 'dump' command in Linux with example.	08
	b)	Explain different types of backup media.	07

Q.10   Write a short note on (<u>any three</u>)   15
   a) Network Services
   b) FTP Server
   c) if-else and nested if-else in shell script
   d) Study of log file