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**BR—197—2016**

**FACULTY OF COMPUTER SCIENCE**  
**M.Sc. (Fourth Semester) EXAMINATION**  
**NOVEMBER/DECEMBER, 2016**  
**(CBCS Course)**  
**COMPUTER SCIENCE**  
**Paper CS-402**  
**(Linux Administration)**

**(Saturday, 19-11-2016)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—Three Hours*

*Maximum Marks—75*

*N.B. :— (i) All questions are compulsory.*

*(ii) Write answer in brief and to-the-point.*

1. Attempt any *three* of the following : 3×5=15
  - (a) Explain linux file system.
  - (b) Explain virtual consoles.
  - (c) Explain text editors.
  - (d) Explain printing command of linux.
  - (e) Explain linux distribution.
2. Answer the following (any *three*) : 3×5=15
  - (a) Explain chfn. (changing user info).
  - (b) Explain shell in linux.
  - (c) Explain X window system.
  - (d) Explain local printer installation.
3. Solve the following (any *three*) : 3×5=15
  - (a) Explain services and runlevels.
  - (b) Explain the concept of linux loader.
  - (c) Explain console print control in linux.
  - (d) Explain Graphical package management.

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4. Answer the following (any *three*) :

3×5=15

- (a) Explain different hardware devices used in networking.
- (b) Explain common unix printing system (CUPS).
- (c) Explain Linux network configuration tools.
- (d) Explain Samba in detail.

5. Write short notes on any *three* :

3×5=15

- (a) Advantages of Linux
- (b) Linux permission
- (c) Boot process
- (d) Red hat package management
- (e) DNS.

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