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**BV—19—2016**

**FACULTY OF COMPUTER STUDIES**

**M.Sc. (First Year) (First Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2016**

**(CBCS Pattern)**

**SYSTEM ADMINISTRATION AND NETWORKING**

**(Fundamental of Linux Operating System)**

**(Wednesday, 23-11-2016)**

**Time : 10.00 a.m. to 1.00 p.m.**

*Time—3 Hours*

*Maximum Marks—75*

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

*(ii) Figures to the right indicate full marks.*

*(iii) Write answers in brief and to the point.*

1. Attempt any *three* of the following : 15

(a) Explain installation procedure for Fedora Core 6.0 O.S. in brief.

(b) Explain features of Fedora Core Linux O.S.

(c) Explain Chmod command in brief.

(d) Explain file system in Linux.

(e) X-window system.

2. Answer any *three* of the following : 15

(a) Explain the following commands :

(i) if config

(ii) ls

(b) Explain the following commands :

(i) dd

(ii) df

(c) Explain the following commands :

(i) wc

(ii) su

P.T.O.

- (d) Explain the following commands :
- (i) cat
  - (ii) chown
3. Answer any *three* of the following : 15
- (a) Explain chfn command for changing user information.
  - (b) Explain Linux shell with commands.
  - (c) Explain hardware requirement for installing Fedora Core Linux.
  - (d) Explain Network related commands.
4. Answer any *three* of the following : 15
- (a) Explain user administration level commands in brief.
  - (b) Explain Group administration commands.
  - (c) Explain Linux shell with commands.
  - (d) Explain vi text editor in brief.
5. Write short notes on (any *three*) : 15
- (a) File related commands
  - (b) run levels
  - (c) RPM
  - (d) mtools
  - (e) backup strategies and restoring files.