

23076

M.Tech 3rd Semester (Computer Engg.) Examination,

May-2017

SYSTEM AND NETWORK ADMINISTRATION

Paper-MTCE-705-A

Time allowed : 3 hours]

[Maximum marks : 100

Note : Attempt any five questions.

1. What do you understand by IP addressing ? Also discuss about subnetting and masking. 20
2. (a) Give a brief description about various Interconnecting Devices. 10
(b) Explain the different steps followed in establishing a network. 10
3. Give a complete description about cryptography and its techniques. 20
4. Explain the following : 20
(a) Digital Signatures.
(b) Filtering rules.
5. Describe the following : 20
(a) Installation of UNIX.
(b) Formatting File System.

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6. (a) What do you mean by Passwords and Shadow Passwords ? Explain. 10
- (b) How to improve the system's performance ? Describe in detail. 10
7. Explain the following : 20
- (a) Shell Scripting.
- (b) Perl.
- (c) Administration based commands.
8. Write short note on following : 20
- (a) Router
- (b) IDS
- (c) System Administration
- (d) UNIX Commands