- 8. (a) Compare and contrast C-shell and Borne shell.
 - (b) List and explain conditional statements with respect to shell programming with suitable example.6

No. of Printed Pages: 04

Roll No.

EE-686

M.C.A. EXAMINATION, May 2018

(Fifth Semester)

(B. Scheme) (Re-appear Only)

(MCA)

MCA655

NETWORK ADMINISTRATION

Time: 3 Hours [Maximum Marks: 75]

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note: Attempt *Five* questions in all, selecting at least *one* question from each Unit.

M-EE-686 4 100

(2-08/3) M-EE-686

P.T.O.

Unit I

(a) List and explain any three network related

	()	commands. 9
	(b)	What is the concept of Subnetting?
		Explain with an example. 6
2.	(a)	Write the use of the following
		interconnecting devices: 9
		(i) Router
		(ii) Bridge
		(iii) Switch
	(b)	Briefly describe TCP/IP model. 6
		Unit II
3.	(a)	What are substitution ciphers? List and explain any <i>two</i> substitution cipher techniques.
	(1.)	7
	(b)	Explain the concept of IDS in detail. 6
6.	Writ	e short notes on any two of the following:
	(a)	Digital signatures
	(b)	Firewalls
	(c)	DES. 15

2

M-EE-686

Unit III

- 5. (a) What are the different measures to estimate the performance of a host machine? Also write how the system performance can be improved.6
 - (b) Write a detailed note on NTFS file system. Also write how it is different from FAT.
- 6. (a) What is System Administration? Also list and explain necessary issues in host administration and how they are tackled.

(b) Explain the directory structure of Unix operating system. 6

Unit IV

- 7. (a) Write a shell script to calculate the sum of a given series of number. 6
 - (b) Discuss the mounting and unmounting of a new file system to/from the existing environment. Show how to create Pipes and perform read/write operations. 9

(2-08/4) M-EE-686 3 P.T.O.