Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES

FIRST SEMESTER MASTER OF ENGINEERING - ME (EMBEDDED AND WIRELESS TECHNOLOGY/ COMPUTING TECHNOLOGIES AND VIRTUALIZATION)

Embedded Linux [EWT 617.8]

Marks: 100   **Duration: 180 mins.**

END SEMESTER DEGREE EXAMINATION NOVEMBER 2018

Answer all the questions.

1)	Explain the process of old booting with a neat diagram. (10)	(10)
2)	Explain the directory structure of Linux and its functions. (10)	(10)
3)	What are device drivers? Explain the procedure of kernel compilation? (2+8)	(10)
4)	Explain the concept of ARGPARSE with an example. (10)	(10)
5)	Explain the following networking commands a) ping b) ifconfig c) ifup d) ifdown e) network restart (2 *5)	(10)
6)	What is an inode? Explain the inode structure with a neat diagram. (2+8)	(10)
7)	Write the queries for the following a) delete a table b) delete all the records in the table c) to view the schema of the table d) view the databases e) view all records in a table (2 *5)	(10)
8)	With a neat diagram explain the client - server communications? (10)	(10)
9)	Explain the following python constructs with examples a) for loop for list data types b) for loop for accessing dictionary (3+3+4)	(10)
10)	Explain the following a) Monolithic kernel b) Microkernel (5+5)	(10)

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