

Question Paper



MANIPAL UNIVERSITY

SCHOOL OF INFORMATION SCIENCES
**FIRST SEMESTER MASTER OF ENGINEERING - ME (Embedded and Wireless
Technology / Computing Technologies & Virtualization)**
DEGREE EXAMINATION - NOVEMBER 2017
DATE : Tuesday, November 21, 2017
TIME : 10:00AM - 1:00PM
Embedded Linux [VIR 609.7]

Marks: 100

Duration: 180 mins.

ELECTIVE 1

Answer all the questions.

- 1) A. Explain the build in variables in AWK. (10)
(5)
B. With a neat example, show the structure of the AWK script. (5)
- 2) For a phonebook application, explain the database and the queries for CRUD operations. (10)
- 3) With respect to python sockets, with a neat diagram on Client - server connectivity, explain the blocking and non-blocking. (10)
- 4) Explain the categories of file types in Linux operating system. (10)
- 5) Explain the BUILD in variable in AWK with examples. (10)
- 6) With a neat example explain the concept of UDP socket communication with python code. (10)
- 7) Explain the types of shell and its features. (10)
- 8) With a neat diagram explain the directory structure of Linux? (10)
- 9) What are Sockets? (3) (10)
With a neat diagram explain the client server communication of TCP. (7)
- 10) With a neat example explain the concept of MAKEFILE (10)

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