

**2015**

*Time : 3 hours*

*Full Marks : 100*

*Pass Marks : 40*

*Candidates are required to give their answers in their own words as far as practicable.*

*The questions are of equal value.*

*Answer any **five** questions.*

1. Describe Linux Operating System. What are the various versions of Linux ?
2. Explain Compiler and Assembler.
3. Describe the functions of Shell and Kernel.
4. Explain Client/Server model for OS.
5. Why LINUX is more portable than other Operating System ? Explain.
6. Explain, in detail, the concept of File System under Linux.

TB – 4/2

(Turn over)

7. Write short notes on the following :
- (a) Directory
  - (b) Path specification
8. Write the functions of the following commands :
- (a) Banner
  - (b) cal
  - (c) who
  - (d) passwd
  - (e) tty
  - (f) bc
  - (g) spell
9. Write short notes on the following :
- (a) Buffer Memory
  - (b) I/O redirection
10. Write a shell program to accept two numbers and display its sum.



**2017**

*Time : 3 hours*

*Full Marks : 100*

*Pass Marks : 40*

*Candidates are required to give their answers in their own words as far as practicable.*

*The questions are of equal value.*

*Answer any five questions.*

1. Define Linux/Unix Operating System. What are the various versions of it?
2. Differentiate between Compiler and Assembler.
3. What is Macro ? How a macro is executed ?
4. Explain Client / Server model for OS.
5. Why is Linux / UNIX more portable than other operating system ?

- 6. Explain, in detail, the concept of File System under Linux / Unix.
- 7. Write short notes on the following :
  - (a) Directory
  - (b) Path specification
- 8. Write functions of the following commands :
  - (a) Banner
  - (b) Cal
  - (c) rm who
  - (d) passwd
  - (e) tty
  - (f) bc
  - (g) spell
- 9. Write short notes on the following :
  - (a) Buffer Memory
  - (b) I/O redirection
- 10. Write a shell program to accept two numbers and display its sum.

