



Department of Information Technology
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR
MID-TERM EXAMINATION

Course: Computer Fundamentals
Semester: 1st
Date: 20/09/2017

Time: 1.5 hrs
Max. Marks: 30
Code: IT 101

Note: Attempt All Questions

Q1.

- a) What are functions of an Operating System? [3]
- b) Explain the relationship between hardware and software? [3]
- c) How open source software's are different from licensed software's? [2]
- d) What are the two main components of CPU? [2]

Q2.

- a) Explain diagrammatically the organization of main memory having N words? [3]
- b) What are Registers? Describe briefly the functions of commonly used registers? [3]
- c) Differentiate between RAM and ROM. [2]
- d) Differentiate between System software and Application software. [2]

Q3.

- a) With the help of a block diagram explain the basic organization of a computer system. [4]
- b) What is an Operating System. Explain the logical architecture of a computer system with diagram? [4]
- c) What do you understand by primary and secondary memory? Give an example of each. [2]