

B.Sc. (I. T.) Sem. - VI (2011 Course) ; WINTER - 2018
SUBJECT: ELECTIVE : PARALLEL AND DISTIBUTED COMPUTING

Day: Friday
Date: 07/12/2018

W-2018-1116

Time: 10.00 am to 12.00 Noon
Max Marks: 40

N.B.:

- 1) Attempt **ANY FIVE** questions.
 - 2) Figures to right indicate **FULL** marks
 - 3) Assume suitable data, if necessary.
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- Q.1** What is the purpose of MPI_comm_size and MPI_comm_rank routines in MPI? (08)
- Q.2** Differentiate between cluster computing vs. grid computing vs. cloud computing. (08)
- Q.3** Write short note on job submission in grid. (08)
- Q.4** Explain following architectures with suitable examples: (08)
- i) client-server
 - ii) peer to peer
 - iii) master-slave
- Q.5** Explain the purpose of parallel for and parallel section directives in OPENMP. (08)
- Q.6** Write short notes on types of clouds. Give the distinguishing features of different cloud types. (08)
- Q.7** What is gridsim? Explain various functionalities of gridsim. (08)

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