Day: Monday   Time: 10.00 am to 12.00 Noon
Date: 20/05/2019   Max Marks: 40
S-2019-1318

N.B.:
1)   Attempt **ANY FIVE** questions.
2)   Figures to right indicate **FULL** marks
3)   Assume suitable data, if necessary.

Q.1   What do you mean by resource broker in grids? Explain various **(08)** functionalities of resource broker.

Q.2   State and explain different data handling clauses. Also mention the **(08)** importance of data handling clauses in message passing environment.

Q.3   Explain different performance metrics for parallel systems.   **(08)**

Q.4   Give Flynn's classification for multiprocessor architecture. Draw a suitable **(08)** diagram for each architecture.

Q.5   What is cloud computing? Mention different cloud computing services with **(08)** suitable example of each.

Q.6   Explain following architectures with suitable examples   **(08)**
   i)   Client-Server
   ii)   Peer To Peer
   iii)   Master-Slave

Q. 7   What do you mean by process scheduling? Explain following scheduling **(08)** algorithms:
   i)   FCFS
   ii)   SJF
   iii)   Round Robin

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