Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

Total No. of Questions : 8

M.Tech. (CSE Engg.) (2018 Batch) (Sem.–2)
GPU COMPUTING
Subject Code : MTCS-210-18
M.Code : 76061

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWELVE marks.

1. Describe GPU. Explain and compare various GPU's.

2. How thread mapping is done in 1D, 2D and 3D?

3. Write a detailed note on memory hierarchy.

4. Differentiate between local and global barriers.

5. Write short note on profile tools and performance aspects.

6. What is an event and event based synchronization?

7. What are various image processing techniques?

8. Write a note on multi-GPU and Heterogeneous processing.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.