CSE211 – COMPUTER ORGANIZATION AND DESIGN

ONLINE ASSIGNMENT 3

Note: 1. Each question carry 10 marks.

2. Last date of online assignment submission is December 06, 2021 (Monday).

3. This assignment submission is not a group activity, so every student is advised to individually work on the assigned tasks to complete the activity as per defined timeline.

4. Copying the contents of others is not allowed.

5. Do not share your assignment file with anyone. And do not indulge in any malpractice as Sharing the file/copying the contents may affect your assignment result.

6. Include the supporting diagram(s)/figure(s)/Truth table(s)/expression(s), as applicable, to better explain your answer.

Section: K20BE   **Total marks**: 30

Q1: Explain the role of DMA i.e. Direct Memory Access. Describe how is this DMA playing an important role to speed up the data transfer in Input Output organization.   [10]

Q2: Explain Content Addressable Memory. Draw its Hardware Organization to explain this memory type in detail.   [10]

Q3: Describe the terms: a. Multiprocessor System   b. Parallel Processing   c. Auxiliary Memory.   [10]