

**GOVT. V.Y.T. P.G. AUTONOMOUS COLLEGE, DURG**  
**ASSIGNMENT QUESTION (2025)**  
**BCA-VI SEMESTER**  
**COURSE CODE – BCA-603(L)**  
**SUBJECT-COMPUTER SYSTEM ARCHITECTURE**

**Max Marks: 20**

**Min Marks: 08**

**Note:** Section 'A' & 'B' containing 1 very short-answer-type questions, is compulsory. Section 'C' consists of short answer type questions and Section 'D' consists of long answer type questions.

**Section-A** **(2\*1=2)**

Q.1 What is SMPS?

**Section-B** **(2\*1=2)**

Q.2 What is Program Counter?

**Section-C** **(6\*1=6)**

Q.3 Explain the pin and architecture of microprocessor ?

OR

Draw and explain the logic diagram of Arithmetic Logic Unit (ALU)?

**Section-D** **(10\*1=10)**

Q.4 What are the different types of Registers available with a microprocessor.

OR

What do you mean by SYSTEM BUSES? Explain its different types.