

# **BHAGWAN MAHAVIR COLLEGE OF ENGG. & TECH. SURAT**

**EC DEPARTMENT  
ACADEMIC YEAR 2016-17  
B.E. 6<sup>th</sup> SEMESTER**

**SUBJECT: ADVANCED MICROPROCESSOR  
SUBJECT CODE: 2161102**

**ASSIGNMENT: 3**

**SUBMISSION DATE: 3<sup>RD</sup> MARCH 2017**

1	What is core Extension? Mention its types and explain in detail with neat sketch.
2	What is core? Draw & Explain ARM core data flow mode.
3	Explain Stack operation in ARM with it's types in detail. Also explain instructions used for Stack.
4	Compare AHB, ASB & APB buses of AMBA Bus system of ARM Architecture.
5	Explain the following ARM instruction with examples. (i) STMFD (ii) BLX (iii) MOVEQ (iv) CLZ (v) ADDDB (vi) MRS (vii) UMULL
6	Explain Addressing Modes used for ARM data transfer Operation. Explain the types of Base plus offset addressing used for ARM data transfer operation with examples.
7	Discuss the thumb programmer's model in brief. Also Explain Thumb Software interrupts instruction.