

[illegible]

**M.Tech. (EPDT) (2016 & Onwards) (Sem.-1)**  
**ADVANCED MICROCONTROLLER EMBEDDED SYSTEM**  
**Subject Code : MTET-104**  
**Paper ID : [74138]**

**Max. Marks : 100**

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

- (S9)-1667

- Q6 a. What are the different exceptions for ARM processor? Explain in details. (10)
- b. Draw and explain the bit pattern of application program status registers of ARM processor. (10)
- Q7 a. Write a program to find the negative numbers from a series of 16 bit numbers for ARM processors. Assume the numbers and results in memory. (10)
- b. Draw and explain register organization of Thumb processor. (10)
- Q8 Write the short note on the following : (20)
- a. JTAG
- b. Software Interrupt
- c. DAC