

- Q.2. Write an ALP program for ARM Cortex M3/4 to perform the following
- (1) SVC is to be called from an application task running at Thread unprivileged mode.
  - (2) Two parameters are passed to the handler via R1, R2.
  - (3) If the SVC number is 0x20, then the addition of the data in R1,R2 should be performed
  - (4) Return and resume application task

**Give suitable screen shots of the KEIL IDE-in debug mode to demonstrate the desired outputs. Ensure that the screenshot captures system time & day.**

[6 Marks]