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BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VI ELECTRONIC : WINTER- 2022
SUBJECT : EMBEDDED SYSTEMS

Day : Friday   Time : 10:00 AM-01:00 PM

Date : 25-11-2022   **W-13389-2022**   Max. Marks : 60

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N.B.

1)	All questions are **COMPULSORY**.	
2)	Figures to the right indicate **FULL** marks.	
3)	Draw neat and labelled diagram **WHEREVER** necessary.	
4)	Assume suitable data if necessary.	

Q.1   Classify embedded system in brief.   **(10)**

OR

Q.1   Define embedded system. Give one case study.   **(10)**

Q.2   Write and explain data types in embedded system.   **(10)**

OR

Q.2   Differentiate between C and Embedded C.   **(10)**

Q.3   Discuss different operation modes in ARM.   **(10)**

OR

Q.3   Compare Cortex A, Cortex R, Cortex M series processor.   **(10)**

Q.4   Write a program to send SMS using GSM modem and draw the interfacing for   **(10)**
           the same.

OR

Q.4   WAP to generate a square wave and show the interfacing of DAC 0808 with   **(10)**
           LPC2148.

Q.5   Draw and explain Block Diagram of LPC1768 and discuss in detail.   **(10)**

OR

Q.5   List the features of UART 0 and UART 1 and compare them.   **(10)**

Q.6   Draw and write program for the interfacing diagram of SSD with LPC1768.   **(10)**

OR

Q.6   Draw the interfacing diagram of RGB LED with LPC1768 and also write a   **(10)**
           program to flow LED's.

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