

USN :

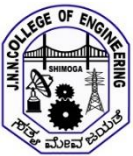
J.N.N COLLEGE OF ENGINEERING, SHIVAMOGGA
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

III-INTERNAL ASSESSMENT

Semester: 7-CBCS
Subject: ARM Embedded Systems (18EC753)
Faculty: Mr. Benak Patel M P

Date: 02 FEB 2022
Time: 10:50 AM – 12:20 PM
Max Marks:50

Q.N o	Answer Any 2 Question(s)		Marks	CO	BTL
1	a	List out the problems faced by Compiler. Explain the Effect of local variable types by considering Checksum function.	10	4	L2
	b	Infer and explain the Efficient Use of C Types.	15	4	L2
OR					
2	a	List out all the ARM Processor Exceptions and associated Modes. Explain the core actions during mode change.	10	4	L2
	b	Infer and explain the Portability issues in ARM processors.	15	4	L2
3	a	Write short notes on vector table with typical vector table diagram.	10	4	L2
	b	Explain the fundamental components of Embedded operating system.	15	5	L2
OR					
4	a	Write short notes on firmware and bootloader.	10	4	L2
	b	Explain the concept of link register offset with use of SUB and SUBS in handler code.	15	5	L2

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