USN :

J.N.N COLLEGE OF ENGINEERING, SHIVAMOGGA

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

III-INTERNAL ASSESSMENT

Semester: 7-CBCS | Date: 02 FEB 2022

Subject: ARM Embedded Systems (18EC753) | Time: 10:50 AM – 12:20 PM

Faculty: Mr. Benak Patel M P | Max Marks:50

Q.No		*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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