

**FY M. Tech****School of Technology****Semester II****EES 504****Embedded Systems Software****Max Marks: 100****May 2018****End Semester Examination (ESE)****Time: 3 Hrs.****23/5/2018****10:30 AM To 1:30 PM**

Instructions for Students: 1) Use of non-programmable calculator is allowed
2) All questions are compulsory

		Marks	COs
Q1	Attempt any two of the following		
a)	Explain different data types in C with examples.	08	CO1
b)	Explain Function types in C. Give an example of recursive function	08	CO1
c)	Explain static and dynamic memory allocation	08	CO1
Q2	Attempt any two of the following		
a)	Explain different addressing options used in 'C'.	09	CO2
b)	Explain Instruction sequencing.	09	CO2
c)	Explain Kernels types and working.	09	CO2
Q3	Attempt any two of the following		
a)	What are the steps of object oriented Analysis and design?	08	CO3
b)	Draw data flow diagram for book publisher	08	CO3
c)	What is OOD & OOA	08	CO3
Q4	Attempt any two of the following		
a)	What do you mean by UML? What are the UML building blocks- Define and Explain.	08	CO4
b)	Explain any four UML diagrams.	08	CO4
c)	Explain UML notations	08	CO4
Q5	Attempt any two of the following		
a)	What is the use of object diagram? Explain with example.	08	CO5
b)	Differentiate and explain structural and behavioral diagram.	08	CO5
c)	Explain State Chart diagram.	08	CO5
Q6	Attempt any two of the following		
a)	How compilation process takes place, explain with neat diagram.	09	CO6
b)	Explain runtime library, alternative library, standard library.	09	CO6
c)	Explain different types of debugging techniques	09	CO6
