Name	Roll No

ST. JOSEPH'S COLLEGE OF ENGINEERING AND TECHNOLOGY, PALAI.



(An ISO 9001:2015 Certified College)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING B. TECH DEGREE SECOND INTERNAL TEST- JUNE 2021

SEMESTER -8 Batch 2017-2021 A & B

CS404 EMBEDDED SYSTEMS

Time: 2 Hours Max. Marks: 50

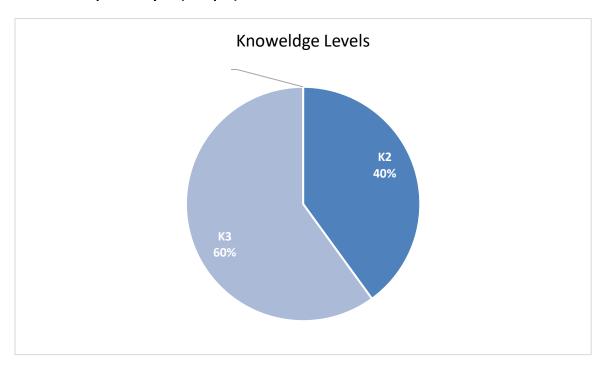
PART AAnswer all questions (20 marks)

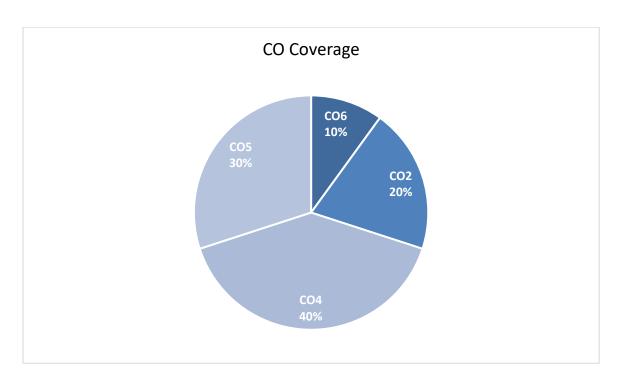
Qn No.	Questions	Marks	K level	CO & KL
1	Identify the components of embedded system development environment and draw a neat diagram to show the integration of these components.	5	К3	CO4&K3
2	Compare between simulator and Emulator. How can we debug the firmware using in-circuit emulator?	5	K2	CO4&K3
3	Consider a mobile phone device and look at the main menu. Explain how the events of touching the screen at different points on the screen are handled by an RTOS using two-level ISR handling	5	К3	CO5&K3
4	Examine the recent trends in firmware development languages other than Embedded C.	5	K2	CO6 & K2

PART BAnswer all questions (30 marks)

Qn No.	Questions				Marks	K level	CO & KL
5	List out and explain the methods for embedding firmware in hardware.			10	K2	CO4&K3	
6	order. Find out t time while using a. FCFS b. LCFO	rocesses P1, P2, P3 the average waiting semptive priority-base Arrival Time 0 1 2 3	g time and avera	•	10	К3	СО5&к3
7	An automatic motor car implements Automated braking system. Explain the distributed architecture used in the automated car.				10	К3	CO2 & K3

Question Paper Analysis (Sample)





Prepared by:	Verified by:	Approved by:
Prof. Suma R & Prof. Ashly Thomas	Prof. Mereen Thomas	
	Name & Signature	Name & Signature
Name & Signature	Course Coordinator	HoD
Faculty-in-charge		