



B.E. / B.TECH. DEGREE EXAMINATIONS

(JANUARY TO APRIL 2024)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Roll No. _____

Reg. No.	9	2	0	4								
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Internal Assessment: II

Semester: Sixth

Course Code: VCS324	Course Name: Full Stack Development (Common to CSE & ADS)
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Regulation: KCET 2021

Max. Marks : 50 Marks
Duration : 1 hour 30 minutes

CO Index	Course Outcomes			
CO3	Demonstrate the simple web applications using Node JS.			
CO4	Infer web applications using Express and Node JS.			

Marks distribution based on Bloom's Taxonomy Level (BTL)

Remember (K-1)	Understand (K-2)	Apply (K-3)	Analyze (K-4)	Total
-	26	64	-	90

Answer all the Questions

CO, BTL	Q. No.	Part A (5 x 2 = 10 Marks)			Marks
CO3, K2	1.	Summarize the benefits of thread pool and event loop in Node JS			2
CO3, K2	2.	_____ can be exposed to Node.js modules. a) module b) exports c) export d) transfer	Justify your answer		2
CO4, K2	3.	Illustrate the features of NPM in express.js.			2
CO4, K2	4.	_____ is a middleware in Express.js a) function(req){ } b) method(req){ } c) function(req,res,next){ } d) method(res,next)	Justify your answer		2
CO4, K2	5.	Explain the usage of API in express.js.			2

Part B (1 x 8 = 8 Marks)

CO3, K2	6 (a)	Explain about the user defined modules in Node.js with example.	8
		(OR)	
CO3, K2	6 (b)	Illustrate the concept of Node.js execution process in Command Line Interface.	8

Part C (2 x 16 = 32 Marks)

CO3, K3	7 (a)	Develop a single page application for the super market using Node.js	16
		(OR)	
CO3, K3	7 (b)	Construct an application to demonstrate the get and post request handling in node.js.	16
CO4, K3	8 (a)	Develop a web application for Employee payroll system using MVC concepts in express.js	16
		(OR)	
CO4, K3	8 (b)	Build a basic calculator operations using express.js.	16