## CBCS SCHEME

Fifth Semester MCA Degree Examination, Jan./Feb. 2021 Internet of Things  Max. Marks: 100  Note: Answer any FIVE full questions, choosing ONE full question from each module.    Module-1	A STATE OF THE STA	it OF		180	<b>ACA542</b>	
Internet of Things    Max. Marks: 100	N.	JSN	3		ICA342	
Note: Answer any FIVE full questions, choosing ONE full question from each module.    1	13	Fifth Semester MCA Degree Examination, Jan./Feb. 2021				
Note: Answer any FIVE full questions, choosing ONE full question from each module.    Module-1	1	Control of the second	e Co	Internet of Things		
Note: Answer any FIVE full questions, choosing ONE full question from each module.    Module-1	3/	Tim	4116	Max. Ma	rks: 100	
The properties of Things. Explain M2M communication. (10 Marks) b. Explain System Components of an M2M solution with example. (10 Marks) b. Distinguish between the main characteristics of M2M and IoT. (10 Marks) b. Describe Global Value Chains with example. (10 Marks) b. Describe Global Value Chains with example. (10 Marks) b. Describe the Information-driven global value chain with diagram. (10 Marks) b. What is Gateway? Explain with example. (10 Marks) b. Describe Local and Wide Area Networking with example. (10 Marks) b. Describe European Telecommunications Standards Institute (ETSI) M2M service capabilities with example. (10 Marks) b. Explain Information model with example. (10 Marks) b. Explain Information model and Function model with example. (10 Marks) b. Explain Information model and Function model with example. (10 Marks) b. Explain Information model and Function model with example. (10 Marks) b. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Information model and Function model with example. (10 Marks)		WANTED THE PARTY OF THE PARTY O	11/10/			
b. Describe Local and Wide Area Networking with example.    Module-4     7	•	Note: Answer any FIVE full questions, choosing ONE full question from each module.				
b. Describe Local and Wide Area Networking with example.    Module-4     7	actice					
b. Describe Local and Wide Area Networking with example.    Module-4     7	aıpra	1	a.	Define Internet of Things. Explain M2M communication.		
b. Describe Local and Wide Area Networking with example.    Module-4     7	as m		b.	Explain System Components of an M2M solution with example.	(10 Marks)	
b. Describe Local and Wide Area Networking with example.    Module-4     7	ng i			OR		
b. Describe Local and Wide Area Networking with example.    Module-4     7	2 1 1	2	a.		(10 Marks)	
b. Describe Local and Wide Area Networking with example.    Module-4     7   a. Describe European Telecommunications Standards Institute (ETSI) M2M level architecture with example.	Š	_	b.	Distinguish between the main characteristics of M2M and IoT.	(10 Marks)	
b. Describe Local and Wide Area Networking with example.    Module-4     7   a. Describe European Telecommunications Standards Institute (ETSI) M2M level architecture with example.	<b>\$</b>					
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b. Describe Local and Wide Area Networking with example.    Module-4     7						
b. Describe Local and Wide Area Networking with example.    Module-4		4	14	Explain M2M Value Chain with example.	5	
b. Describe Local and Wide Area Networking with example.    Module-4			D.	Describe the information-driven global value chain with diagram.	(10 1/14/145)	
b. Describe Local and Wide Area Networking with example.    Module-4     7     a. Describe European Telecommunications Standards Institute (ETSI) M2M level architecture with example.   b. Explain European Telecommunications Standards Institute (ETSI) M2M service capabilities with example.   OR     8     a. Explain IoT Domain model with example.   b. Explain Information model and Function model with example.   OR     b. Explain Functional requirements and non-functional requirements with example.   Describe European Telecommunication Standards Institute (ETSI) M2M service capabilities with example.   OR     10 Marks     Module-5     b. Explain Functional requirements and non-functional requirements with example.   OR     10 Marks     OR     OR	3			Module-3		
b. Describe Local and Wide Area Networking with example.    Module-4     7   a. Describe European Telecommunications Standards Institute (ETSI) M2M level architecture with example.		5			1	
b. Describe Local and Wide Area Networking with example.    Module-4     7   a. Describe European Telecommunications Standards Institute (ETSI) M2M level architecture with example.	or ar		b.	What is Gateway? Explain with example.	(10 Marks)	
b. Describe Local and Wide Area Networking with example.    Module-4     7   a. Describe European Telecommunications Standards Institute (ETSI) M2M level architecture with example.	aluar			OR		
b. Describe Local and Wide Area Networking with example.    Module-4     7   a. Describe European Telecommunications Standards Institute (ETSI) M2M level architecture with example.		6				
Module-5  9 a. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Sensing and Communication field with example. (10 Marks)  OR  10 a. Explain Integrated device design with example. (10 Marks)	2		b.	Describe Local and Wide Area Networking with example.	(10 Marks)	
Module-5  9 a. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Sensing and Communication field with example. (10 Marks)  OR  10 a. Explain Integrated device design with example. (10 Marks)	, app			Module-4		
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9 a. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Sensing and Communication field with example. (10 Marks)  OR  10 a. Explain Integrated device design with example. (10 Marks)	) Y		b.	Explain Information model and Function model with example.	(10 Marks)	
9 a. Explain Functional requirements and non-functional requirements with example. (10 Marks) b. Explain Sensing and Communication field with example. (10 Marks)  OR  10 a. Explain Integrated device design with example. (10 Marks)	7	Modulo 5				
b. Explain Sensing and Communication field with example. (10 Marks)  OR  10 a. Explain Integrated device design with example. (10 Marks)		9	а		(10 Marks)	
OR  10 a. Explain Integrated device design with example. (10 Marks)		,		Explain Sensing and Communication field with example.		
10 a. Explain Integrated device design with example. (10 Marks)						
10 a. Explain integrated device design with situation		10	•		(10 Marks)	
		10	a. b.	Explain Data representation and Visualization with example.		