

Roll No: Subject Code: KMC102

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BTECH (SEM I) THEORY EXAMINATION 2021-22 EMERGING TECHNOLOGY FOR ENGINEERING

Time: 3 Hours Total Marks: 100

Notes:

SECTION-C

- Attempt all Sections and Assume any missing data.
- Appropriate marks are allotted to each question, answer accordingly.

Attempt ANY ONE following Question

Q7(b) Enumerate the Advantages and disadvantages of Brain Computer Interface:

Q7(a) With block diagram Explain Brain Computer Interface system

SECTION-A	Attempt All of the following Questions in brief	Marks (10X2=20)	CO
Q1(a) What do mean by Internet of Things (IoT)			
Q1(b) How IoT Sensor works			
Q1(c) What is Gateway			
Q1(d) What is Cloud computing			
Q1(e) What are the uses of Cloud Computing			
Q1(f) What is S	Q1(f) What is Security		
Q1(g) What is Blockchain			
Q1(h) What is the 3D Printing			
Q1(i) What is Drone			
Q1(j) Define Augmented reality			
SECTION-B	Attempt ANY THREE of the following Questions	Marks (3X10=30)	CO
	s Industrial IoT works, also Discuss the key benefits	of Industrial Internet of	× 1
Things	<u> </u>		
Q2(b) Discuss the types and features of IoT Sensor			
Q2(c) What is Google Clould Platform, discuss its services and features.			
Q2(d) Discuss the Vendors of Cloud Computing and Services Provided by Cloud Providers			
Q2(e) Discuss 5G Technology in India also discuss 5G Applications and Use cases			
SECTION-C	Attempt ANY ONE following Question	Marks (1X10=10)	CO
	ne Applications of Industrial Internet of Things	Widiks (17110 10)	
Q3(b) Discuss the Advantages and disadvantages of Cloud Computing			
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SECTION-C	Attempt ANY ONE following Question	Marks (1X10=10)	CO
Q4(a) What is AWS (Amazon Web Services), discuss its features and also give Applications			
of AWS services			
Q4(b) Enumerate the Advantages of AWS and Disadvantages of AWS			
SECTION-C	Attempt ANY ONE following Question	Marks (1X10=10)	CO
			CO
Q5(a) Explain Principles of 3D Printing also discuss Use Cases/Applications of 3D Printing Q5(b) Explain Smart Contract, also discuss Advantages of Smart Contracts			
(2) Explain Smart Contract, also discuss Advantages of Smart Contracts			
SECTION-C	Attempt ANY ONE following Question	Marks (1 X10=10)	CO
Q6(a) Discuss A	augmented reality (AR) also give Applications or Use	Cases for AR in details	
Q6(b) Discuss Drone Regulations in India, also enumerate the procedures for becoming a			
drone Pilot in India			

Marks (1X10=10)

CO