PAPER ID-411731

Roll No:

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

Time: 3 Hours   *Total Marks: 100*

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

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 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
Q2(a)	How does Industrial IoT works, also Discuss the key benefits of Industrial Internet of Things		
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
Q3(a)	Discuss the Applications of Industrial Internet of Things		
Q3(b)	Discuss the Advantages and disadvantages of Cloud Computing		

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
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		

SECTION-C	Attempt **ANY ONE** following Question	Marks **(1X10=10)**	CO
Q6(a)	Discuss 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		

SECTION-C	Attempt **ANY ONE** following Question	Marks **(1X10=10)**	CO
Q7(a)	With block diagram Explain Brain Computer Interface system		
Q7(b)	Enumerate the Advantages and disadvantages of Brain Computer Interface:		