



PAPER ID-310340

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Subject Code: KOT077

Roll No:

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BTECH
(SEM VII) THEORY EXAMINATION 2023-24
DATA ANALYTICS FOT IOT

TIME: 3 HRS**M.MARKS: 100**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A**1. Attempt all questions in brief.****2 x 10 = 20**

Q no.	Question	Marks
a.	Write the needs of IoT for futuristic Growth.	2
b.	Explain the working of actuator in IoT.	2
c.	Define Protocols with example.	2
d.	Discuss the use of wireless devices in IoT.	2
e.	Explain the concept of Cloud.	2
f.	Write a short notes on Data Processing.	2
g.	State the need of explore the Data in IoT.	2
h.	How different kind of Data used in IoT Network?	2
i.	Define Machine Learning concept.	2
j.	Write the use of Data Science to manipulate the Data.	2

SECTION B**2. Attempt any three of the following:****10 x 3 = 30**

a.	Draw the Architecture if Internet of Things and its applications.	10
b.	Illustrate the use of Networking Connecting Protocols in IOT in brief.	10
c.	Explain the process of data management in IoT with Big data technologies.	10
d.	Discuss the steps involved in Data Visualization process in detail.	10
e.	Describe the Feature engineering concept with vast data of IoT.	10

SECTION C**3. Attempt any one part of the following:****10 x 1 = 10**

a.	Define Analytics. Explain the use of data analytics in Internet of Things network.	10
b.	Write the various challenges faced in the process of the IoT Analytics.	10

4. Attempt any one part of the following:**10 x 1 = 10**

a.	Describe the process of Analyzing data to infer protocols and device characteristics.	10
b.	Discuss about the IoT Networking Data Messaging protocols in detail.	10

5. Attempt any one part of the following:**10 x 1 = 10**

a.	Define Elastic Analytics. Explain its concept in data analytics with IoT architecture.	10
b.	Describe the process of Designing steps in Data Processing for analyzing the Data.	10



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TIME: 3 HRS**M.MARKS: 100****6. Attempt any *one* part of the following:****10 x 1= 10**

a.	Illustrate the different kind of technologies used to understand the Quality of Data.	10
b.	Expalin the process of Statistical analysis with proper example.	10

7. Attempt any *one* part of the following:**10 x 1= 10**

a.	Demonstrate the use of deep learning methods with IoT data with example.	10
b.	Define Validation Process. Explain the Validation process in IoT with Machine Learning.	10

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