



Sanjay Ghodawat University, Kolhapur

2018-19

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

FY M Tech

School of Technology

Semester II

ccc 510.3
Wednesday

School of Technology | Department of CSE

Max Marks: 100

Data Science and Big Data Analytics

End Semester Examination (ESE)

Time: 3 Hrs

29/05/2019

2.30 to 5.30 PM

Instructions for Students:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
Draw neat diagrams wherever necessary

Question Paper

Q1	Solve any Two	Marks	Bloom's Level	COs
a)	Compare traditional environment from understanding of Bigdata	09	2	CO1
b)	Discuss the challenges of Bigdata	09	2	CO1
c)	Illustrate big data playing a vital role in industry with an example	09	3	
Q2				
a)	Interpret the concepts SQL, noSQL, New SQL	12	3	CO2
b)	Identify terminologies used in big data environments. OR	04	3	CO3
b)	Explore the basic features of R	04	2	CO3
Q3				
a)	Describe Mathematical operators R	04	2	CO4
b)	Discuss use of Function in R With an example to form data subsets	12	4	CO4
Q4	Solve any Two			
a)	Construct step wise solution of K -Mean Algorithm ,on on data asset of your choice	09	5	CO4
b)	Analyze working principles of the Association rules with suitable assumption of market basket	09	4	CO4
c)	Analyze the regression model features illustrating Linear Regression model and with an example	09	4	CO3
Q5				
a)	Elaborate the anatomy of HDFS	05	6	CO.3
b)	Explain Naïve Bayesian with example	11	2	CO3

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	OR			
b)	Solve the regression model features illustrating Linear Regression model and with an example	11	3	CO4
Q6	a) Elaborate Map-reduce working.	08	6	CO5
	b) Illustrate the key aspects and components of Hadoop?	08	3	CO5

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