



Sanjay Ghodawat University, Kolhapur

2017-18

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

FY M Tech

School of Technology

Semester I

CCC 509.1

Application Development Framework

Max Marks: 100

~~Nov-2017~~

End Semester Examination (ESE)

Time: 3 Hrs

13DEC

Instructions for Students: 1) Use of non-programmable calculator is allowed
2) All questions are compulsory

			Marks	COs
Q1	Solve any Two			
a)	Explain ⁵ spring framework for application development in detail?		09	CO1
b)	Describe ⁶ Spring Framework Runtime architecture with diagram		09	CO1
c)	Discuss ⁵ spring usage Scenario in detail?		09	CO1
Q2				
a)	Explain ⁵ pointcuts with its different types?		04	CO2
b)	Describe ⁶ JDBC Spring with Transaction management in spring OR		12	CO2
b)	Describe ⁶ data access in spring JDBC?		12	CO2
Q3				
a)	Describe ⁶ Testing Spring application?		04	CO1
b)	Describe ⁶ aspect oriented programming framework? OR		12	CO2
b)	Discuss ⁵ transaction management in spring environment?		12	CO2
Q4	Solve any Two			
a)	Write ⁶ a note on ORM (Object Relational mapping)?		09	CO3
b)	Explain ⁵ implementation of effective web application with Hibernate?		09	CO3
c)	Discuss ⁵ spring MVC?		09	CO3
Q5				
a)	Explain ⁵ spring JMS?		04	CO4
b)	Compare ⁴ Restful & Restless Web services with example? OR		12	CO4
b)	Write ⁶ a steps to implement the effective web application with Hibernate?		12	CO4
Q6				
a)	Discuss ⁵ working with Web Services Advanced XML in a short		04	CO5
b)	Describe ⁶ Service-Oriented Architecture (SOA) using Spring OR		12	CO5
b)	Write ⁶ a note on Rapid Application Development Using Grails & Spring Roo		12	CO5