

**Bharati Vidyapeeth
(Deemed to be University), Pune
School of Distance Education**

Name of the Assignment Setter:		Dr. Swati Desai			
Course:	Object Oriented Software Engineering	Class:	MCA	Semester:	II
Subject:		Object Oriented Software Engineering			
Q.1)	Attempt ANY ONE of the Following (1000 Words)				(10)
a)	Explain Rational Unified Process in detail.				
b)	Compare following Software Process Models – i. Waterfall Model ii. V Model iii. Prototyping Model iv. Spiral Model v. RAD				
Q.2)	Attempt ANY TWO of the Following (800 Words)				(12)
a)	Discuss Class diagram using all its notations with the help of example.				
b)	A candidate has to take admission to renowned government institute for higher education (MCA). Admission process is online. Write use case and draw use case diagram for the same.				
c)	Compare system sequence diagram with collaboration diagram.				
d)	"Activity Diagrams are advanced flow charts", justify the statement with proper example.				
Q.3)	Write Short Notes on (ANY TWO)				(08)
a)	Relationships in UML				
b)	State Chart Diagrams				
c)	Component Diagram				
d)	Deployment Diagram				
