



BHARATI VIDYAPEETH'S
INSTITUTE OF COMPUTER APPLICATIONS & MANAGEMENT (BVICAM)
(Affiliated to Guru Gobind Singh Indraprastha University, Approved by AICTE, New Delhi)
A-4, Paschim Vihar, Rohtak Road, New Delhi-110063, Visit us at: <http://www.bvicam.in/>

Class test I Question Paper 2018
MCA-II Semester

Course Code: MCA 110

Course Name: Software Engineering

Time: 01 Hour

Maximum Marks: 20

Note: Attempt any four questions.

- 1 Elaborate the disadvantages of LOC method for size estimation. Why Albrecht's function points analysis is becoming acceptable in industry? 5 marks
- 2 Explain the significance of software crisis in reference to software engineering discipline. Was Y2K a software crisis? 5 marks
- 3 Consider an Online Railway Reservation System; identify five Functional and Five Non Functional requirement for the same. 5 marks
- 4 Consider an Online Airline Reservation System. 5 marks
 - i. Identify actors for Online Airline Reservation System. One use case is to make a Flight Reservation. List four additional use cases at a comparable level of abstraction.
 - ii. Prepare a Use case Diagram using full UML notation for an online airline reservation system. Write Use case description for any two major use cases.
- 5 Explain basic COCOMO model, under all three operating modes (Organic, Semi detached, Embedded). Why do we require three models (Basic, intermediate & detailed) for estimation. 5 marks