	Roll No.	
Paper Code: MBA IT 02		

MBA
(SEM III) ODD SEMESTER EXAMINATION 2016-17
SYSTEM ANALYSIS & DESIGN AND SOFTWARE ENGINEERING

[Time: 3 hrs] **[Max. Marks: 100]**

Q1 Attempt any **FOUR** of the following. (5x4=20)

a) Define **Data Dictionary**, why is it used.
b) Define **Cryptography**; explain with suitable example of any Cryptographic technique.
c) What is a **Feasibility Study**, illustrate with example.
d) Define **Computer Virus**, illustrate with suitable real life example.
e) Differentiate between **One Way Encryption** and **Two Way Encryption**, illustrate with examples.
f) What are **Decision Support Systems**, explain with suitable example.

Q2 Attempt any **FOUR** of the following. (5x4=20)

a) Define **Computer Anti-Virus**, illustrate with examples.
b) Illustrate with a suitable example the structure and purpose of **Decision Trees**.
c) Illustrate with a suitable example the structure and purpose of **Decision Table**.
d) What is **Object Oriented Design (OOD)**; explain with suitable example.
e) What is **Object Oriented Analysis (OOA)**; explain with suitable example.
f) What is **Entity-Relationship Diagram**, illustrate with suitable diagrams and examples.

Q3 Attempt any **TWO** of the following: (10x2=20)

a) List steps involved in **System Development Life Cycle**.
b) Write a brief on **Open Source** method of Software Development.
c) Write a short note on **Disaster Recovery Plan** with respect to **Cyber Attacks**.

Q4 Attempt any **TWO** of the following: (10x2=20)

a) Enlist **Steps in Feasibility Analysis**, explain with suitable example.
b) Illustrate with **Data Flow Diagram (DFD)** the working of a fast food company's ordering system.
c) Write a short note on **Testing**; enlist four types of software testing methods with definitions.

Q5 Attempt any **TWO** of the following: (10x2=20)

a) Define **User Requirement(s) Document (URD)**, enlist its five advantages and also explain the MODE priority ranking with reference to URD.
b) Enlist five advantages and five disadvantages of using **Rapid Application Development (RAD)** methodology of software development.
c) Enlist five strengths and five weaknesses of **SDLC Methodology**.