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Seat No.	
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**[4966]-2004**

**M.C.A. (Commerce faculty) (Second Semester)**

**EXAMINATION, 2016**

**204 : SYSTEM ANALYSIS AND DESIGN**

**(Credit System)**

**(2013 Pattern)**

**Time : Three Hours**

**Maximum Marks : 50**

**N.B. :—** (i) *All* questions are compulsory.

(ii) Figures to the right indicates full marks.

**1.** Attempt the following : [14]

(a) The ABC Bank Management had decided to implement computerized system for all bank transaction. Consider suitable assumption. Draw the context level and first level DFD for the system. [8]

(b) Material is issued to the department by considering whether the material requisition note (MRN) is signed or not, it contains valid items or not and it is given within 4 hours or not. Draw Decision Tree and Decision Table. [6]

**2.** Attempt the following (any *three*) : [4×3=12]

(a) Role of system analyst in software development process.

(b) Explain the step by step process of SDLC.

(c) Explain various types of software testing.

(d) Elaborate various types of Reusability study.

P.T.O.

**3.** Attempt the following (any *three*) : [4×3=12]

- (a) What is Agile process of software development ?
- (b) Define system and explain various types of system.
- (c) Design input form for the online Aadhar card registration system.
- (d) Elaborate various approaches of Implementations.

**4.** Write short notes on (any *three*) : [4×3=12]

- (a) Observation method
- (b) Data flow diagram
- (c) Spiral model
- (d) Reverse engineering.