(i) **Printed Pages : 2** Roll No. ....

(ii) **Questions** : 9 Sub. Code : | 0 | 9 | 3 | 0 |

Exam. Code : | 0 | 0 | 2 | 9 |

Bachelor of Computer Applications 3rd Semester

(2122)

INFORMATION SYSTEM DESIGN AND

IMPLEMENTATION

Paper : BCA-16-303

Time Allowed : Three Hours] **[Maximum Marks : 65**

Note :— The students are required to attempt **ONE** question each from Section (A to D) and the compulsory question.

SECTION—A

1. Describe System and its classification. Discuss System development Life Cycle along with block diagram in detail. 13

2. (a) Who is System analyst ? Define the roles of System analyst. 7

   (b) Explain the process of system implementation and maintenance. 6

SECTION—B

3. (a) What do you mean by Fact Finding ? Discuss the concept of Fact Analysis. 7

   (b) Discuss Interviews and Questionnaires as information gathering tools. 6

4. What is information gathering ? Explain its various tools in detail. 13

SECTION—C

5. Briefly explain the steps in feasibility analysis. Discuss technical and economic feasibility study. 13

6. (a) What are various approaches to design a good system ? Explain functional decomposition as design methodology. 7

   (b) What is software testing ? Explain different types of testing. 6

SECTION—D

7. Discuss various phases in hardware and software selection. What are the criteria for software selection ? 13

8. (a) What methods are used to review systems after implementation ? 7

   (b) Explain activities of software maintenance procedure. 6

(Compulsory Question)

9. (a) What is Evaluation and validation ? 2

   (b) What do you mean by audit trail ? 2

   (c) Feasibility Report. 2

   (d) Explain DFD. 2

   (e) On-site Observation. 2

   (f) Differentiate Physical and Abstract Systems. 3